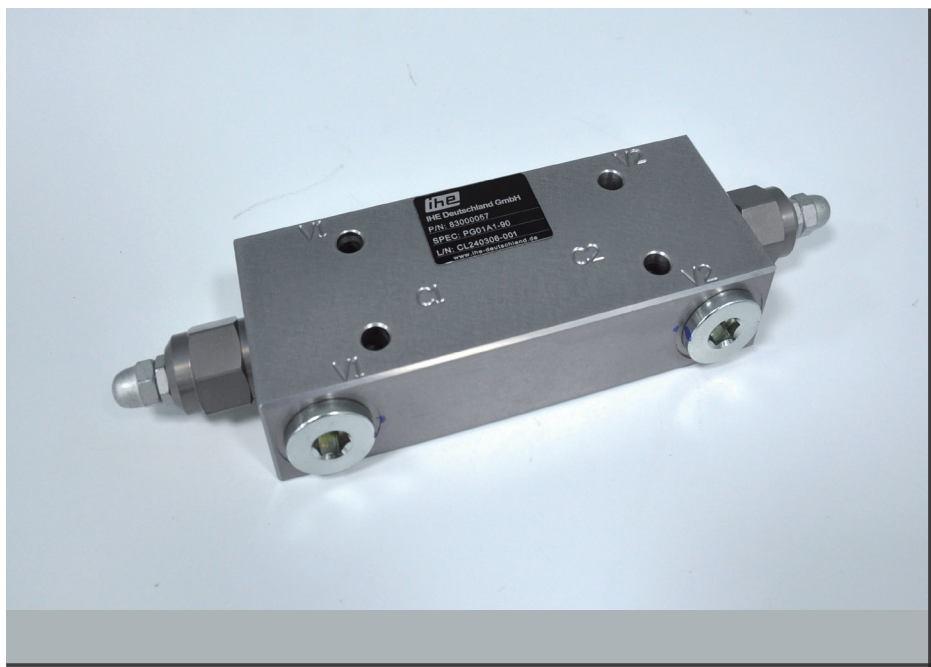




TECHNICAL CATALOGUE

2025

Concrete pump truck Betonpumpenwagen



Short-boom double balance valve
Doppelausgleichsventil mit kurzem
-Ausleger
KF02B1-40



Swing balance valve
Schwenkausgleichsventil
KF01-40-H



Hydraulic lock of outriggers
Hydraulische Verriegelung
-der Stützen
PCPD.000.01.A03



Short-boom double balance valve
Doppelausgleichsventil mit kurzem
-Ausleger
KF02C1-40



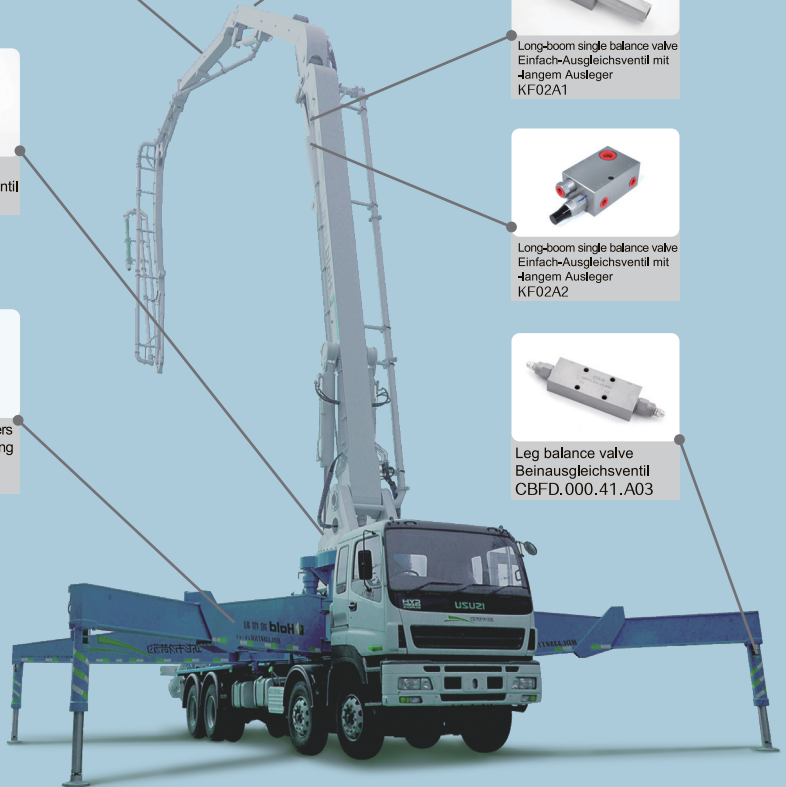
Long-boom single balance valve
Einfach-Ausgleichsventil mit
-langem Ausleger
KF02A1



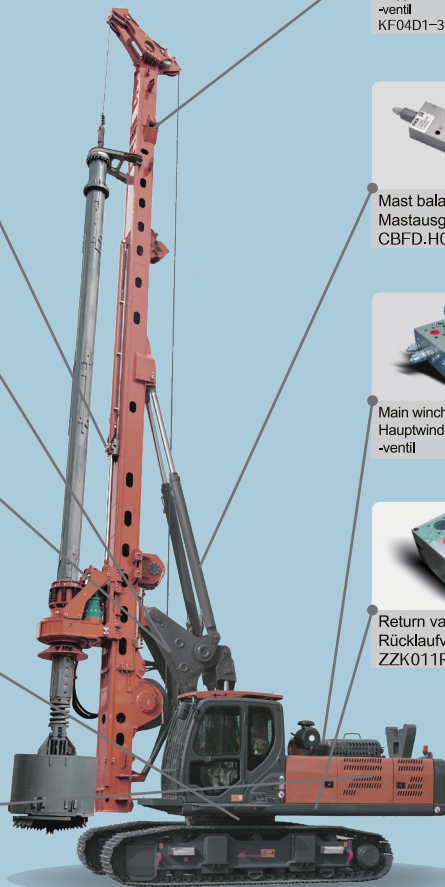
Long-boom single balance valve
Einfach-Ausgleichsventil mit
-langem Ausleger
KF02A2



Leg balance valve
Beinausgleichsventil
CBFD.000.41.A03



Rotary excavator Drehbagger



Self-moving aerial work platform Selbstbewegende Luftarbeitsplattform



Telescopic balance valve
Teleskopausgleichsventil
NW04A1-ST



Telescopic balance valve
Teleskopausgleichsventil
NW04E1-FR



Rotary balance valve
Rotationsausgleichsventil
NW02A1-RO.A



Floating balance valve
Schwebendes Ausgleichsventil
NW05NS1-40



Flying arm balance valve
Ausgleichsventil mit fliegendem Arm
NW03A1-ST.D



Luffing balance valve
Luffing Ausgleichsventil
KF02B1-40-N.55.NN



Gravity descent valve
Schwerkraftabfahrventil
NW03D1-GD



Leveling valve group
Nivellierventilgruppe
NW06A2-CR



Truck-mounted aerial work platform Hubarbeitsbühne für LKW



Leveling and balancing
-valve
Nivellier- und Ausgleich
-sventil
NW01B2-SL



Telescopic balance valve
Teleskopausgleichsventil
NW03B1-ST



Variable amplitude balance valve
Ausgleichsventil mit variabler
-Amplitude
NW03B1-ST



Lower leveling valve
Unteres Nivellierventil
NW06A1-FS



Rotary balance valve
Rotationsausgleichsventil
NW02A1-RO.A



Leg hydraulic lock
Beinhydraulische
-Verriegelung
PCFD.001.78.A03



Motor graders Motorgrader



Lift the balance valve
Heben Sie das Ausgl-
eichsventil an
PG01A1-90



Rotary balance valve
Rotationsausgleichs-
ventil
KF02B2-40-P.00.NN



Swing balance valve
Schwenkausgleichsventil
PG01A1-90



Wheel tilt balance valve
Schwenkventil für Räder
KF02B2-40-P.00.NN

Pavers Fertiger



Lift the balance valve
Heben Sie das Ausgl-
eichsventil an
KF-XBJ0G01



Expansion cylinder
-balance valve
Ausgleichsventil für
-Expansionszylinder
KF02B2-40-P.00.NN



Leveling cylinder balance valve
Ausgleichsventil für Au-
-gleichszylinder
CBZD.000.41.Z06



Expansion cylinder
-balance valve
Ausgleichsventil für
-Expansionszylinder
CBZD.000.41.Z06

Milling machine Fräsmaschine



Engine hood cylinder
-balance valve
Motorhaube Zylinder
-ausgleichsventil
KF-XBJ0G01



Roof control balance valve
Dachregelventil
KF02B2-40-P.00.CC



Swing balance valve
Schwenkausgleichsventil
KF02B2-40-P.00.CC



Lift the balance valve
Heben Sie das Ausgl
-eichsventil an
KF-XBJ0G01



Rear leg balance valve
Ausgleichsventil am
-Hinterbein
CBZD.000.41.Z06



Front leg balance valve
Ausgleichsventil am
-vorderen Bein
CBFD.000.41.Z06



Folding balance valve
Faltbares Ausgleichs
-ventil
PG01A1-90

Anchor digging integrated machine Integrierte Maschine zum Ankern



Shovel lifting balance valve
Schaufelhubventil
KF-06MG00G12



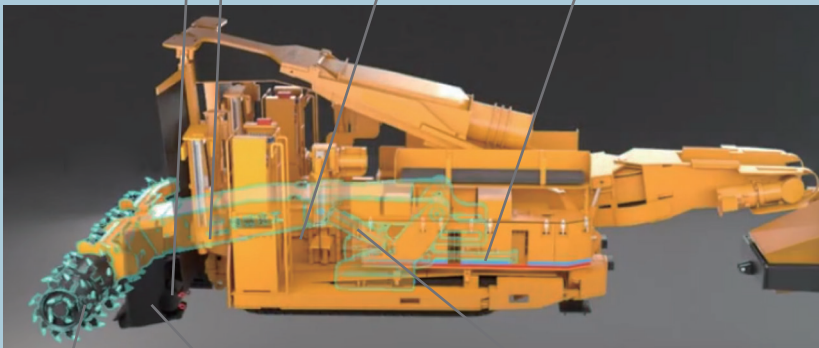
Scraper balance valve
Auswuchtventil für Scraper
KF-06MG00G12



Anchor bolt machine
-balance valve
Ausgleichsventil für
-Ankerbolzen
KF-06MG00G12



Groove oil cylinder
-balance valve
Rillenölzylinder Ausg-
leichsventil
KF-06MG00G04A00



Roller telescopic balance
-valve
Teleskopausgleichsventil
-mit Rollen
KF-06MG00G11



Expansion balance valve
-for shovel plate
Expansionsausgleichs-
ventil für Schaufelplatte
KF-06MG00G11

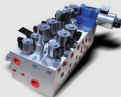


Arm lifting balance valve
Arm anhebendes Aus-
gleichsventil
KF-06MG00G22

Cotton picker baling machine Baumwollpflücker-Ballenpresse



Overflow valve group
Überlaufventilgruppe
431581C MDBG06



Platform control valve
-group
Plattformregelventil
-gruppe
431581C MDBG02



Chassis control valve
-group
Fahrgestellsteuerventil
-gruppe
431581C MDBG04



Transfer case control
-valve group
Transfergehäuse-Reg
-elventilgruppe
431581C MDBG08



Front axle control valve
-group
Steuerventilgruppe
-Vorderachse
431581C MDBG09



Pressure relief valve
-group
Druckentlastungsvent
-ilgruppe
431581C MDBG05



Oil leakage check valve
-group
Ölleckageventilgruppe
431581C MDBG01

Corn harvester Mais-Ernterei



Parking control valve
-group
Stellventilgruppe
431581FQSHG03



Elevator motor control
-valve group
Steuerventilgruppe
-für Aufzugsmotor
431581YMJ0G10



Proportional pressure
-reducing valve group
Proportionale Druckmin-
-derventilgruppe
431581YMJ0G08



2-way control valve
-group
2-Wege-Regelventil
-gruppe
431581YMJ0G05

PRODUCT SELECTION GUIDE

Produktkatalog



Pressure Control Valves Druckventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Relief valve, Direct acting, poppet valve Überdruckventil, Direkt wirkendes, Sitzventil		RV01.S08	420	25	SAE08	A1-1
Relief valve, Direct action, guided type Überdruckventil, Direkt wirkend, geführt		RV01.S10	350	80	SAE10	A1-2
		RV01S.S08	350	30	SAE08	A1-3
		RV01S.S10	350	50	SAE10	A1-3
		RV01.M20	420	30	CL-M20	A1-4
		RV01.M22	350	50	CL-M22	A1-5
Relief valve, pilot operated Überdruckventil, Pilot-type		RV02.S08	350	57	SAE08	A1-6
		RV02.S10	350	100	SAE10	A1-6
		RV02.S12	350	227	SAE12	A1-6
		RV02.S16	350	400	SAE16	A1-6
Relief valve, external drain, pilot-operated Überdruckventil, Externe Öableitung Pilot-type		RV03.S10	350	100	SAE10-2	A1-7
Relief valve, with check valve, pilot-operated Überdruckventil mit Rückschlagventil		RV04.S10	350	100	SAE10	A1-8
Relief valve, with reverse flow check Entlastungsventil mit Rückflusskontrolle		RV07.M18	350	60	CL-17	A1-9
Differential area relief valve Differenzentlastungsventil		RV05.S08	350	30	SAE08	A1-10
		RV05.S10	350	76	SAE10	A1-11

PRODUCT SELECTION GUIDE

Produktkatalog



Pressure Control Valves Druckventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Bi-directional relief valve Bidirektionales Überdruckventil		RV06.S10	350	76	SAE10	A1-12
Pressure reducing valve, direct acting Druckminderventil ,direktwirkend		PR01.S08	350	20	SAE08-2	A1-13
Pressure reducing valve, direct acting, shock absorption Druckminderventil ,direktwirkend, dämpfung		PR05.S08	420	15	SAE08-2	A1-14
		PR05.S10	420	60	SAE10-2	A1-14
Pressure reducing valve, pilot operated Druckminderventil ,Pilot-typ		PR02.S10	350	46	SAE10-2	A1-15
Pressure relief valve /relief valve, pilot operated Druckminderventil, Überdruckventil, Pilot-typ		PR03.S10	350	46	SAE10-2	A1-16
Sequence valve, internal control Sequentielles Ventil, interne Steuerung		PS01S.S08	350	30	SAE08-2	A1-17
		PS01.S08	350	50	SAE08-2	A1-18
		PS01.S10	350	76	SAE10-2	A1-19

PRODUCT SELECTION GUIDE

Produktkatalog



Pressure Control Valves Druckventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Sequence valve, external control Sequentielles Ventil, externe Steuerung		PS02.S10	350	76	CL-012	A1-20
Unloading valve, hydraulic control, internal drain Überdruckventil, hydraulische Steuerung, interne Ableitung		UP01.S10	210	3.8	SAE10-2	A1-21

Direction Control Valves Wegeventil

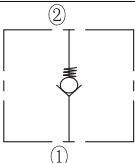
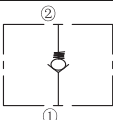
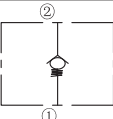
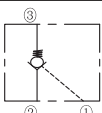
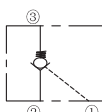
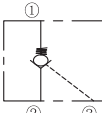
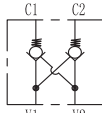
Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Check valve, insert type Rückschlagventil, eingebaut,		CV01.180	350	10	CL-000	A2-1
		CV01.140	350	20	CL-001	A2-1
		CV01.380	350	50	CL-002	A2-1
		CV01.120	350	80	CL-003	A2-1
		CV01.340	350	120	CL-004	A2-1
Check valve, insert type, reverse Rückschlagventil, eingebaut, Umkehrung		CR01.180	350	10	CL-000	A2-2
		CR01.140	350	20	CL-001	A2-2
		CR01.380	350	50	CL-002	A2-2
		CR01.120	350	80	CL-003	A2-2
		CR01.340	350	120	CL-004	A2-2

PRODUCT SELECTION GUIDE

Produktkatalog



Directional Control valves Wegeventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Check valve, cartridge valve, seat valve Rückschlagventil, Patronenventil, Sitzventil		CV02.S08	420	50	SAE08	A2-3
		CV02.S10	420	80	SAE10	A2-4
		CV02.S12	420	120	SAE12	A2-5
		CV02S.S10	350	30	CL-010	A2-6
Check valve, cartridge valve, ball valve Rückschlagventil, Patronenventil, Kugelventil		CV04.S08	350	38	SAE08	A2-7
		CV04.S10	350	68	SAE10	A2-7
Check valve, cartridge valve, reverse Rückschlagventil, Patronenventil, Umkehrung		CR02.13A	350	60	T-13A	A2-8
Single pilot check valve, 1 port pilot, spare parts Hydraulisch gesteuertes Rückschlagventil, 1 Anschluss Pilot, Ersatzteile		PC01S.S08	350	50	CL-008	A2-9
Single pilot check valve, 1 port pilot Hydraulisch gesteuertes Rückschlagventil, 1 Anschluss Pilot,		PC01.S08	350	25	SAE08-2	A2-10
Single pilot check valve, 3 ports pilot Hydraulisch gesteuertes Rückschlagventil, 3 Anschluss Pilot,		PC03.11A	350	60	T-11A	A2-11
Dual pilot check valve, component Hydraulisch gesteuertes Rückschlagventil, Doppelpiloten, Komponent		PC04.S08	350	50	CL-009	A2-12
		PC04.S10	350	40	CL-015	A2-12

PRODUCT SELECTION GUIDE

Produktkatalog



Directional Control valves Wegeventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Shuttle valve, cartridge type, steel ball Wechselventil, Kartuschentyp, Stahlkugel		LS02.M18	350	15	CL-M18	A2-13
		LS02.S04	350	6	CL-006	A2-14
		LS02.S08	350	12	SAE08-2	A2-14
		LS02.S10	350	23	SAE10-2	A2-14
2-position, 2-way directional valve 2-Position -2-Weg- Hydraulikumkehrventil		PD01.S10	250	38	SAE10-2	A2-15
		PD01.S12	250	114	SAE12-2	A2-15
		PD02.S10	250	38	SAE10-2	A2-16
		PD02.S12	250	114	SAE12-2	A2-16
		PD03.S10	250	38	SAE10-3	A2-17
		PD03.S12	250	114	SAE12-3	A2-17
2-position 3-way pilot operated directional valve, permeable to air 2-Position-3-Weg- Hydraulikumkehrventil , luftdurchlässig		PE01.S10	250	38	SAE10-3	A2-18
		PE01.S12	250	114	SAE12-3	A2-18
		PE01.S16	250	170	SAE16-3	A2-18
2-position 3-way pilot operated directional valve, internal discharge 2-Position-3-Weg- Hydraulikumkehrventil, Interne Leckage		PE02.S10	250	38	SAE10-3	A2-19
		PE02.S12	250	114	SAE12-3	A2-19
		PE02.S16	250	170	SAE16-3	A2-19
2-position 3-way pilot operated directional valve, discharge 2-Position-3-Weg- Hydraulikumkehrventil, externe Entlassung		PE03.S10	250	38	SAE10-4	A2-20
		PE03.S12	250	95	CL-016	A2-20
2-position 4-way pilot operated directional valve, discharge 2-Position-4-Weg- Hydraulikumkehrventil, externe Entlassung		PF01.S12	250	114	CL-007	A2-21
		PF01.S16	250	170	CL-011	A2-21

PRODUCT SELECTION GUIDE

Produktkatalog



Solenoid valves Magnetventile

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
2-position, 2-way, direct acting, spool valve 2-Position-2-Weg, direktwirkend, Schieberventil		SV25.S08	210	17	SAE08	A3-1
		SV25H.S08	350	30	SAE08	A3-2
		SV25H.S10	250	40	SAE10	A3-2
2-position 2-pass, direct action, 2-port one-way cut-off 2-Position-2-Weg, direktwirkend, 2 Einseitigabschaltung		SV26.S08	350	1.5	SAE08	A3-3
2-position 2-pass, pilot operated, 2-port one-way cut-off 2-Position-2-Weg, Pilot-typ, 2 Einseitigabschaltung		SV21.S08	350	40	SAE08	A3-4
		SV21.S10	350	80	SAE08	A3-5
		SV21.S12	350	150	SAE12	A3-6
		SV21.S16	350	150	SAE16	A3-7
		SV21S.S08	350	40	SAE08	A3-8
		SV21S.S10	350	70	SAE10	A3-8
		SV21S.S12	350	150	SAE12	A3-8
2 position 2-pass.pilot operated, 2-port one-way cut-off, normally open 2-Position-2-Weg.Pilot-typ, 2 Einseitigabschaltung, stromlos offen		SV22.S08	350	40	SAE08	A3-9
		SV22.S10	350	80	SAE10	A3-10
2 position 2 pass, pilot operated, 1 port one-way cut-off 2-Position-2-Weg, Pilot-typ, 1 Einseitigabschaltung		SV27.S08	350	40	SAE08	A3-11
		SV27.S10	350	70	SAE10	A3-11
		SV27.S12	350	150	SAE12	A3-11
		SV27.S16	350	150	SAE16	A3-11
		SV27S.S08	350	40	SAE08	A2-12
		SV27S.S10	350	70	SAE10	A3-12
		SV27S.S12	350	150	SAE12	A3-12
		SV27S.S16	350	150	SAE16	A3-12

PRODUCT SELECTION GUIDE

Produktkatalog



Solenoid valves Magnetventile

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
2-position 2-way, direct acting, double cut-off, poppet valve 2-Position-2-Weg, direktwirkend, Doppelabschaltung, Sitzventil		SV28.13A	350	40	T-13A	A3-13
2-position 2-pass, pilot operated, double cutoff, normally closed 2-Position-2-Weg, Pilot-typ, Doppelabschaltung, stromlos geschlossen		SV23.S08	350	40	SAE08	A3-14
		SV23.S10	350	70	SAE08	A3-15
		SV23.S12	350	150	SAE12	A3-15
		SV23.S16	350	150	SAE16	A3-15
		SV23S.S08	350	40	SAE08	A3-16
		SV23S.S10	350	70	SAE10	A3-16
		SV23S.S12	350	150	SAE12	A3-16
		SV23S.S16	350	150	SAE16	A3-16
2-position 2-pass, pilot operated, double cutoff, normally open 2-Position-2-Weg, Pilot-typ, Doppelabschaltung, stromlos offen		SV24.S08	350	40	SAE08	A3-17
2-position 3-way, direct acting, spool valve 2-Position-3-Weg, direktwirkend, Schieberventil		SV31.S08	210	15	SAE08-2	A3-18
		SV31H.S08	350	30	SAE08-2	A3-19
		SV31H.S10	250	50	SAE10-2	A3-19
2-position 3-way, direct acting, spool valve, 2-way 1 2-Position-3-Weg, direktwirkend, Schieberventil, 2-Wege 1		SV34.S10	250	20	SAE10-2	A3-20
2-position, 4-way, direct acting, spool valve 2-Position-4-Weg, direktwirkend, Schieberventil		SV42.S08	350	30	SAE08-3	A3-21
		SV42.S10	250	40	SAE10-3	A3-22

PRODUCT SELECTION GUIDE

Produktkatalog



Solenoid valves Magnetventile

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
3-position, 4-way, direct acting, spool valve 3-Position-4-Weg, direktwirkend, Schieberventil		SV43.S10	210	20	SAE10-3	A3-23
3 position 5-way, direct acting, spool valve 3-Position-5-Weg, direktwirkend, Schieberventil		SV53.S08	210	11	SAE08-4	A3-24

Flow Control valves Durchflussventile

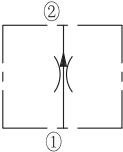
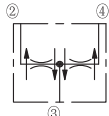
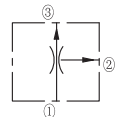
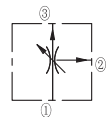
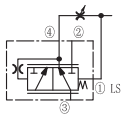
Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Throttle valve, needle valve Drosselventil, Nadelventil		NV01.S08	350	40	SAE08	A4-1
		NV01.S10	350	50	SAE10	A4-1
		NV01.S12	350	126	SAE12	A4-1
		NV01.S16	350	150	SAE16	A4-1
		NV01.M12	350	20	CL-M12	A4-2
Throttle valve with check valve, adjustable orifice Drosselventil, Mit Rückschlagventil und einstellbarer Durchflussöffnung		FC01.S08	350	35	SAE08	A4-3
		FC01.S10	350	45	SAE10	A4-3
		FC01.S12	350	120	SAE12	A4-3
		FC01.S16	350	150	SAE16	A4-3
Throttle valve with check valve, fixed orifice Drosselventil, Mit Rückschlagventil, feste Düse		FC02.S08	350	30	SAE08	A4-4
		FC02.S10	350	60	SAE10	A4-4
		FC02S.S10	350	30	CL-010	A4-4

PRODUCT SELECTION GUIDE

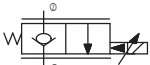
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Flow Control valves Durchflussventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
Flow valve, pressure compensation Durchflussventil, Druckausgleich		FR01.S08	240	7.5	SAE08	A4-5
		FR01.S10	240	23	SAE10	A4-5
		FR01.S12	240	56	SAE12	A4-5
		FR01.S16	240	113	SAE16	A4-5
Diverter/collector valve Umlenk-/ Kollektorventil		FD01.S10	350	45	SAE10-3	A4-6
		FD01.S12	350	106	SAE12-3	A4-6
		FD01.S16	350	197	SAE16-3	A4-6
Flow control valve, pressure compensation not adjustable Durchflussventil, Druckausgleich, nicht einstellbar		FR04.S10	210	38	SAE10-2	A4-7
Flow control valve, pressure compensation adjustable, 3 ports Durchflussventil, Druckausgleich, einstellbar, 3-Port		FR03.S10	210	38	SAE10-2	A4-8
Flow control valve, pressure compensation non-adjustable, 4 ports Durchflussventil, Druckausgleich, Nicht einstellbar, 4-Port		FR05.S10	350	38	SAE10-3	A4-9

Proportional valve Proportional-Ventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Cavity Hohlraum	Page Seitennummer
proportional valve Proportional-Ventil		PSV21.S08.00.000	250	22	SAE08	A5-1
		PSV21.S10.00.000	250	68	SAE10	A5-2

Coils Spule

A6-1 ~ A6-10

Cavities Hohlraum

A7-0 ~ A7-9

PRODUCT SELECTION GUIDE

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Standard counterbalance valve Standard-Ausgleichsventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Dual, flanged Connection Bidirektionale, Platten-Anschluss		PCFD.001.78.A03	350	30	7:1	G 3/8"	B1
Dual, pipe connection Bidirektionale, rohrförmige Verbindung		PCPD.001.78.A03	350	30	7:1	G 3/8"	B2
		PCPD.000.01.A03	350	40	7:1	G 3/8"	B3
Dual, pipe connection Bidirektionale, rohrförmige Verbindung		CBPD.000.41.A02	350	40	4.25:1	G 1/4"	B4
		CBPD.000.41.A03	350	60	4.25:1	G 3/8"	B5
		CBPD.000.41.A04	350	80	4.25:1	G 1/2"	B6
Dual, Sandwich plate mounting Bidirektionale, Sandwichplatte Installation		CBZD.000.41.Z06	350	25	7:1	Sandwich plate mounting Gestapette Installation-NS6	B7
		CBZD.X0X.03.A01	350	60	3:1	Sandwich plate mounting Gestapette Installation-NS10	B8
		CBZD.F0F.05.A00	350	120	4.5:1	Sandwich plate mounting Gestapette Installation-NS10	B9
Dual, flanged Connection Bidirektionale, Platten-Anschluss		CBFD.000.41.A02	350	40	4.25:1	G 1/4"	B10
		CBFD.000.41.A03	350	60	4.25:1	G 3/8"	B11
		CBFD.000.41.A04	350	80	4.25:1	G 1/2"	B12
		CBFD.H00.51.A04	450	80	5.3:1	G 1/2"	B13
		PG01A1-90	350	90	4.25:1	G 1/2"	B14
		NW03A1-ST	350	40	4.25:1	G 3/8"	B15
		NW03B1-ST	350	25	8.5:1	G 3/8"	B16
		NW03C1-ST	350	25	4:1	G 3/8"	B17
		NW01A1-SL	350	5	8.5:1	G 3/8"	B18
		KF02B1-40	370	40	4.25:1 (changeable)	G 3/8"	B19
		NW04A1-ST	350	40	4.25:1	G 1/2"	B20
		NW04B1-ST	350	20	4.25:1	G 1/2"	B21
		NW01B1-SL	350	20	1:0	G 3/8"	B22
		NW01C1-SL	350	20	1:0	G 1/4"	B23

PRODUCT SELECTION GUIDE

Produktkatalog



Standard counterbalance valves Standard-Ausgleichsventil

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
With brake release port Bidirektional, für Zykloidenmotor		NW02A1-RO.A	250	60	4.25:1	Flange face Einbaufäche OMP-OMR	B24
		NW02B1-RO.A	250	60	4.25:1	G 3/8"	B25
		NW02D1-RO.A	250	60	4.25:1	Flange face Einbaufäche OMP-OMR	B26
		NW02F1-RO.A	250	60	4.25:1	Flange able Flansch fähig	B27
Pilot Unidirectional throttle Unidirektional Drosselung durch den Piloten		PG05A1-034	350	150	4:1	Flange able Flansch fähig	B28

Anti rust sandwich valves Rostschutz-Überlagerungsventil

Description Beschreibung	Symbol Symbol	Model Modell	Max Pressure Höchstdruck bar	Max Flow rate Maximaler Durchfluss L/min	Temperature range Temperatur Bereich	Page Seitennummer
Sandwich valve Überlagerungsventil	Siehe innere Seite für Details	MPC02-W-110-G	320	50	-20~50°C	C1
		MPR02-P-120G	320	40	-20~50°C	C2
		MPR02-P-320G	320	40	-20~50°C	C3
		MRV02-A-420G	320	50	-20~50°C	C4
		MRV02-P-420G	320	50	-20~50°C	C5
		MTC02-W-O20G	320	50	-20~50°C	C6

Bankable valves Modulare Mehrwegeventil

Description Beschreibung	Symbol Symbol	Model Modell	Max Flow rate Maximaler Durchfluss L/min	Ports size Größe der Ports	Page 页码
Bankable valve Modulare Mehrwegeventil	Siehe innere Seite für Details	ST-30	30	G 1/2"	D1

PRODUCT SELECTION GUIDE

Produktkatalog



Truck-mounted concrete pumps Betonpumpe-LKW

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Rotary counterbalance valve Schwenkbares Ausgleichsventil		KF01-40-H	350	60	4.25:1	V1/V2/C1/C2:G1/2" BR:G1/4"	E1
Long boom single counterbalance valve Einzeln-Ausgleichsventil mit langem Ausleger		KF02A1	450	16/25/40 /60/80	5.3:1	V:G1/2" R:G3/8" Z/M/PIL:G1/4"	E2
Long boom single counterbalance valve Einzeln-Ausgleichsventil mit langem Ausleger		KF02A2-60	450	60	5.3:1	T:3/8" V2/V3/PIL:M16*1.5	E3
Long boom single counterbalance valve Einzeln-Ausgleichsventil mit langem Ausleger		KF02A2-90	450	90	5.3:1	T:3/8" V2:M27*2 V3/PIL:M16*1.5	E4
Short boom single counterbalance valve Einzeln-Ausgleichsventil mit kurzem Ausleger		KF02C1-40	370	60	4.25:1	V1/V2:G3/8" M:G1/8"	E5
Short boom single counterbalance valve Einzeln-Ausgleichsventil mit kurzem Ausleger		KF02B1-40-N.89.NN	370	60	4.25:1	V1/V2:G3/8"	E6
Plate counterbalance valve Platten-Ausgleichsventil		CBFD.000.41.A03	350	60	4.25:1	V1/V2:G3/8"	E7
Dual pilot check valve Dual Pilot Rueckschlagventil		PCFD.001.78.A03	350	30	7:1	V1/V2:G3/8"	E8
Dual pilot check valve Dual Pilot Rueckschlagventil		PCFD.A02.78.A03	350	40	7:1	V1/V2:G3/8"	E9

PRODUCT SELECTION GUIDE

Produktkatalog



Rotary drilling rig Drehbagger

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Amplitude counterbalance valve Variables Amplitudenausgleichsventil		PG01B1-90	420	90	5.3:1	V1/V2:G1/2" M1/M2:G1/4"	F1
Amplitude counterbalance valve Variables Amplitudenausgleichsventil		CBFD.000.41.A04	350	80	4.25:1	V1/V2:G1/2"	F2
Mast counterbalance valve Mast-Ausgleichsventil		CBFD.H00.51.A04	450	80	5.3:1	V1/V2:G1/2"	F3
Mast counterbalance valve Mast-Ausgleichsventil		KF02A3-80	450	80	5.3:1	T:3/8" V2/V3:PIL:G1/4"	F4
Pressurized cylinder counterbalance valve Zylinder-Ausgleichsventil mit Druckbeaufschlagung		PG02-034	350	120	6.2:1	V2:G3/4"PIL:G1/4" C2:SAE 3/4"6000PSI	F5
Pressurized cylinder counterbalance valve Zylinder-Ausgleichsventil mit Druckbeaufschlagung		PG02R-034	350	240	6.2:1	V:G3/4" PIL:G1/4" T:G1/2"	F6
Pressurized cylinder counterbalance valve Zylinder-Ausgleichsventil mit Druckbeaufschlagung		PG02-100	350	250	8:1	V2:G1" PIL:G1/4" C:SAE 1"6000PSI	F7
Pressurized cylinder counterbalance valve Zylinder-Ausgleichsventil mit Druckbeaufschlagung		PG02A2-100	350	250	8:1	/	F8
Folding mast counterbalance valve Dual Pilot Rueckschlagventil		KF04D1-30-L	350	30	4.25:1	V1/V2:G3/8"	F9
Rotary counterbalance valve Schwenkbare Ausgleichsventil		PG03-034-NN	350	120	7.6:1	C1/C2/V1/V2:G3/4" T:G1/2"	F10
Rotary counterbalance valve Schwenkbare Ausgleichsventil	Siehe innere Seite für Details	313320ZR42G01A	300	340	4:1	V1/V2:SAE1 1/4"6000PSI SAE1 1/4"6000PSI C11/C12/C21/C22: SAE3/4"6000PSI T:G1" M1/M2:G1/4"	F11
Main winding counterbalance valve Ausgleichsventil für die Hauptwinde	Siehe innere Seite für Details	20ZRG02 (3133204000G02B10)	350	360	2:1 5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S1/S2:G3/4" M1/M2/M3/BR/P1/T:G1/4"	F12
Main winding counterbalance valve Ausgleichsventil für die Hauptwinde		20ZRG03 (3133204000G03A00)	350	360	2:1 5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S1/M2:G1/4" S1M26-1.5	F13
Main winding counterbalance valve Ausgleichsventil für die Hauptwinde	Siehe innere Seite für Details	4340200100G02A	350	300	5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S1M27-2 M1/M1/M2/BR/P1/T:G1/4"	F14

PRODUCT SELECTION GUIDE

Produktkatalog



Rotary drilling rig Drehbagger

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	4340200100G03A	350	300	5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S/M2+2 M/M1/M2/BR/P1/T:G1/4"	F15
Main winding counterbalance valve Ausgleichsventil für die Hauptwinde	Siehe innere Seite für Details	20ZRG01 (4340200280G01)	400	240	5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S/G3/4" M1/M2/ M3/MBR/BR/P1/T:G1/4"	F16
Main winding counterbalance valve Ausgleichsventil für die Hauptwinde	Siehe innere Seite für Details	20ZRG01 (313320ZR00G02A00)	350	480	5:1	V1/V2/C1/C2: SAE1 1/4"6000PSI S/G3/4" M1/M2/ M3/MBR/BR/P1/T:G1/4"	F17
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	313320250CG01C01	40	22	/	A/G3/8" 其余均为:G1/4"	F18
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	313320160CG01A00	40	40	/	T/T1/T2/G1/2" E/M18+1.5 其余均为G1/4"	F19
Pilot integrated manifold Pilotkrümmer		ZZK011R/S	100	800	/	2:M3+2 4:M26+1.5	F20

Self-moving aerial work platform Selbstfahrende Hubarbeitsbühne

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Rotary counterbalance valve Schwenkbares Ausgleichsvent		NW02A1-RO.A	250	60	4.25:1	V1/V2:G1/2" G3/G1/4"	G1
Rotary counterbalance valve Schwenkbares Ausgleichsvent		NW02D1-RO.A	250	60	4.25:1	V1/V2:G1/2" G3/G1/4"	G2
Amplitude counterbalance valve Variables Amplituden- enausgleichsventil		KF02B1-40-N.55.NN	370	60	4.25:1	V1/V2:G3/8"	G3
Amplitude control valve Amplituden- Regelventil		NW03D1-GD	210	60	/	P/T:G3/8"	G4
Levelling counterbalance valve Nivellier- Ausgleichsventil		NW03A1-ST.D	350	40	4.25:1	V1/V2:G3/8"	G5
Fly arm counterbalance valve Ausgleichsventil mit fliegendem Arm		NW03A1-ST.D	350	40	4.25:1	V1/V2:G3/8"	G6

PRODUCT SELECTION GUIDE

Produktkatalog



Self-moving aerial work platform Selbstfahrende Hubarbeitsbühne

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Expansion counterbalance valve Ausweitung- Ausgleichsventil		NW04A1-ST	350	40	4.25:1	V1/V2:G1/2"	G7
Expansion counterbalance valve Ausweitung- Ausgleichsventil		NW04E1-FR	350	60	4:1	V1/V2:G3/8"	G8
Floating integrated manifold Floating Integration Verteiler		NW05NS1-40	350	40	1:0	A1/A2:G1/4" B/B1:G3/8" MC1/MC2:G1/2"	G9
Floating integrated manifold Floating Integration Verteiler		NW05NS2-40	240	40	/	C:G3/8"	G10
Lowering flat valve Senkung-Flachventil		NW06B1-CR	250	25	7:1	V1/V2:M14*1.5 C1/C2:G1/4" T:G3/8"	G11
Steering control valve Steuerventil		NW07A1-SC	240	45	/	T:G1/2" P/P2:C:G3/8" A/B/M/M1:G1/4"	G12

Truck-mounted aerial work platform Hubarbeitsbühne für LKW

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Levelling counterbalance valve Nivellier- Ausgleichsventil		NW01B2-SL	350	20	1:0	V1/V2:G3/8"	H1
Levelling counterbalance valve Nivellier- Ausgleichsventil		NW01C2-SL	210	2	1:0	V1/V2:G1/4"	H2
Rotary counterbalance valve Schwenkbares Ausgleichsventil		NW02A1-RO.A	250	60	4.25:1	V1/V2:G1/2" C3:G1/4"	H3
Amplitude/Expansion counterbalance valve Variable Amplitude/ teleskopisches Ausgleichsventil		NW03B1-ST	350	25	8.5:1	V1/V2:G3/8"	H4
Lowering flat valve Senkung-Flachventil		NW06A1-FS	350	30	4.25:1	C1/C2:G3/8" T/R/P/A/B:G1/4"	H5
Dual pilot check valve Rueckschlagventil		PCFD.001.78.A03	350	30	7:1	V1/V2:G3/8"	H6

PRODUCT SELECTION GUIDE

Produktkatalog



Motor grader Motorgrader

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Lift cylinder counterbalance valve Hubzylinder-Ausgleichsventil		PG01A1-90	350	90	4.25:1	V1/V2:G1/2"	I1
Rotary motor counterbalance valve Schwenkmotor-Ausgleichsventil		KF02B2-40-P.00.NN	350	60	4.25:1	C1/C2/V1/V2:G3/8"	I2

Milling machine Fräsmaschine

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Rear leg cylinder counterbalance valve Ausgleichsventil des hinteren Abstützzyllinders		CBZD.000.41.Z06	350	25	4.25:1	DN06疊加閥	J1
Front leg cylinder counterbalance valve Ausgleichsventil des vorderen Abstützzyllinders		CBFD.000.41.Z06	350	40	4.25:1	V1/V2:M16×1.5	J2
Feed folding cylinder counterbalance valve Einzugsfaltzylinder-Ausgleichsventil		PG01A1-90	350	90	4.25:1	V1/V2:G1/2"	J3
Swing cylinder counterbalance valve Ausgleichsventil für Schwingzylinder		KF02B2-40-P.00.CC	350	16	4.25:1	C1/C2/V1/V2:G3/8"	J4
Lifting cylinder counterbalance valve Ausgleichsventil für Hubzylinder		KF-XBJ0G01	350	16	4.25:1	V:M16×1.5 F/S:M12×1.5	J5

Paver Fertiger

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Levelling counterbalance valve Nivellier-Ausgleichsventil		CBZD.000.41.Z06	350	25	4.25:1	DN06 Überlagerungsventil	K1
Levelling counterbalance valve Nivellier-Ausgleichsventil		KF-XBJ0G01	350	16	4.25:1	V:M16×1.5 F/S:M12×1.5	K2
Rotary counterbalance valve Schwenkbares Ausgleichsventil		KF02B2-40-P.00.NN	350	60	4.25:1	C1/C2/V1/V2:G3/8"	K3

PRODUCT SELECTION GUIDE

Produktkatalog



Coal Mine Multi-function bolt miner Kohlebergwerk Multi-Funktion Bolzen Miner

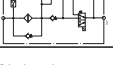
Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Boom lifting counterbalance valve Ausgleichsventil für Heben des Schwenkarms		KF-06MG00G22	350	30	2.86:1	V1/V1'/V2/V2':G1/2"	L1
Cut motor counterbalance valve Ausgleichsventil für Schneidmotor		KF-06MG00G04A00	350	120	4:1	V1/V2:G3/4"	L2
Roller expansion counterbalance valve Teleskoptrommel- Ausgleichsventil		KF-06MG00G11	350	30	4.25:1	V1/V2:G1/4"	L3
Blade expansion counterbalance valve Schaufelbrett verlängertes Ausgleichsventil		KF-06MG00G11	350	30	4.25:1	V1/V2:G1/4"	L4
Shovel lift counterbalance valve Ausgleichsventil für Schaufelplatte		KF-06MG00G12	350	30	4.25:1	V1/V2:G3/8"	L5
Scraper counterbalance valve Schaber - Ausgleichsventil		KF-06MG00G12	350	30	4.25:1	V1/V2:G3/8"	L6
Anchor machine counterbalance valve Ankermaschine Ausgleichsventil		KF-06MG00G12	350	30	4.25:1	V1/V2:G3/8"	L7
Dual pilot check valve Hydraulische Verriegelung		PCPD.001.78.A03	350	30	7:1	V1/V2:G3/8"	L8

PRODUCT SELECTION GUIDE

Produktkatalog



Excavator Bagger

Description Beschreibung	Symbol Symbol	Model Modell	Pressure Druck bar	Flow Rate Durchfluss L/min	Pilot ratio Pilotverhältnis	Ports size Größe der Ports	Page Seitennummer
Explosion-proof valve Explosions- geschützte Ventile		YG01B1-50	420	50	1:0	V2/C2:G3/8" PIL/T/M:G1/4"	M1
Explosion-proof valve Explosions- geschützte Ventile		YG01B2-50	420	50	1:0	V2/C2:G3/8" PIL/T/M:G1/4"	M2
Explosion-proof valve Explosions- geschützte Ventile		YG02B1-150	420	150	1:0	V2/C2: SAE 1/2" 6000PSI PIL/T/E:G1/4"	M3
Explosion-proof valve Explosions- geschützte Ventile		YG02B1-250	420	250	1:0	V2/C2: SAE 3/4" 6000PSI PIL/T/E:G1/4"	M4
Pilot integrated manifold Pilotkrümmer		313310XW60G01A	350	20	/	P/T/Bv1/ Pv/Pr/Bv:G1/4"	M5
Pilot integrated manifold Pilotkrümmer		313310XW60G01B	350	20	/	ACC:M18*1.5 P/T/Bv1/ Pv/Pr/Bv:G1/4"	M6
Pilot integrated manifold Pilotkrümmer		313310ZWZEG02A00	40	35	/	P/A/T:G3/8"	M7
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	31331020ZWG01	40	25	/	MPA:G1/4" ACC:G1/2" P/T/P4/ P3/P2/P1: G3/8"	M8
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	313310048TG01C00	40	34	/	P/T/A1:G3/8" Der Rest ist alle G1/4"	M9
Pilot integrated manifold Pilotkrümmer	Siehe innere Seite für Details	313310070TG03C00	40	27	/	P:G1/2" A/A1/T:G3/8" D/B/M1/M2:G1/4"	M10
Pilot damper integrated manifold Pilotkrümmer	Siehe innere Seite für Details	313310070TG02A00	40	35	/	A12/B12/A22 /B22/A11/ B11/A21/B21:G1/4"	M11

Hydraulic system Hydraulische Systeme

N1

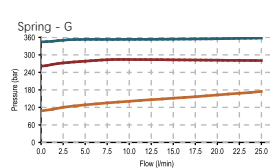
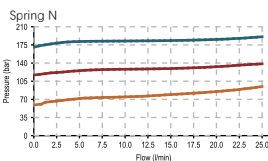
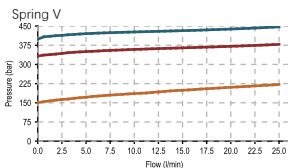
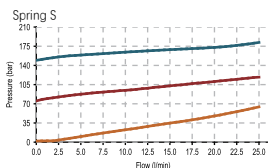
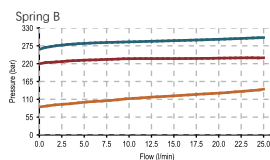
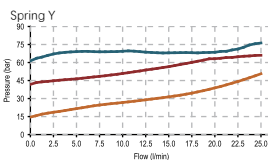
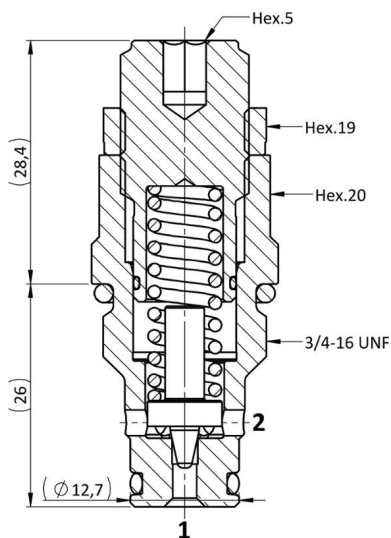
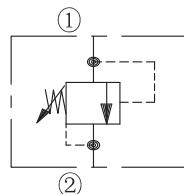
RV01.S08

Directing Acting Direkt wirkend

TECHNICAL DATA

Technische Parameter

Max. flow	25L/min	Maximale Durchflussmenge
Max. working pressure	420bar	Maximaler Betriebsdruck
Max. internal leakage	1 cc/min at 80 % of set point	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE08	Hohlraum
Installation torque	40-45Nm	Einbau-Drehmoment
Weight	0,100kg	Gewicht



ORDERING CODE Bestellcode

RV01	S08	0	1	0	00
Cavity Hohlraum S08 = SAE08	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 15-70 bar 3 = 71-180 bar 5 = 281-350 bar 2 = 10-160 bar 4 = 181-280 bar 6 = 351-420 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

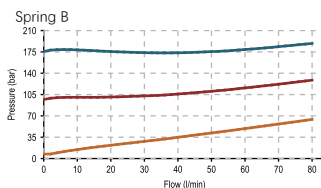
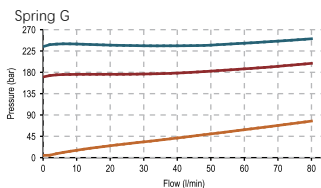
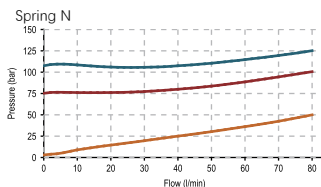
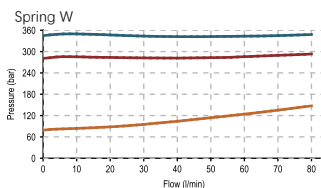
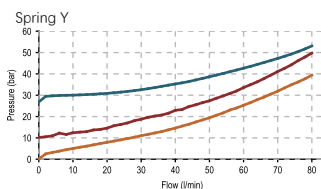
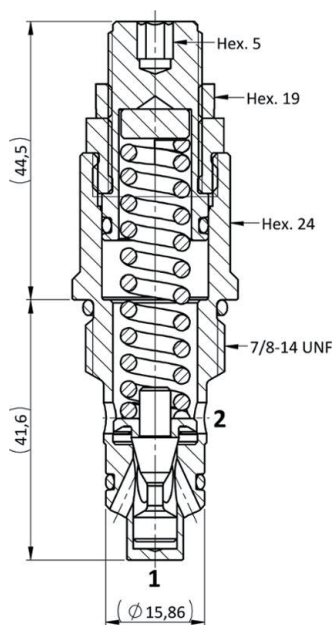
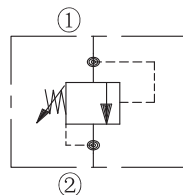
RV01.S10

Directing Acting Direkt wirkend

TECHNICAL DATA

Technische Parameter

Max. flow	80L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max. internal leakage	0.25 cc/min at 80 % of set point	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE10	Hohlraum
Installation torque	55-65Nm	Einbau-Drehmoment
Weight	0,170kg	Gewicht



ORDERING CODE Bestellcode

RV01	S10	0	1	0	00
Cavity Hohlraum S010 = SAE10	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 25-75 bar 3 = 126-220 bar	2 = 76-125 bar 4 = 221-350 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

RV01S

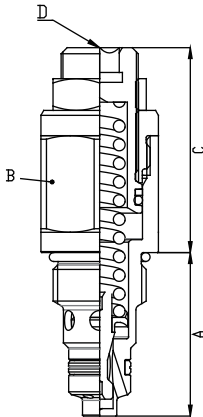
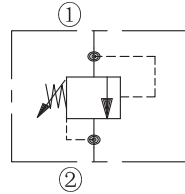
Relief valve, Direct acting, Poppet type Überdruckventil, Direkt wirkendes, Sitzventil

TECHNICAL DATA

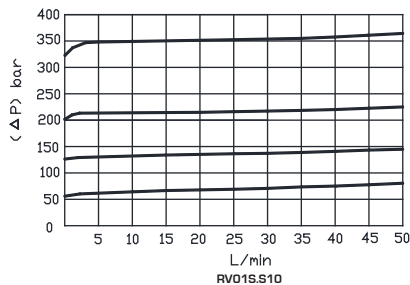
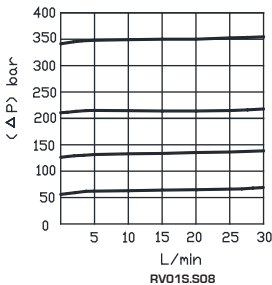
Technische Parameter

Max. working pressure 350 bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit



Max. flow Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	D	Installation torque Einbau- Drehmoment
30 L/min	RV01S.S08	SAE08	33	24	42	8.0H	40-45Nm
50 L/min	RV01S.S10	SAE10	37.7	27	45.4	8.0H	55-65Nm



ORDERING CODE Bestellcode

RV01S	S08	0	1	0	OB
	Cavity Hohlraum S08 = SAE08 S10 = SAE10	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 15-60 bar 2 = 25-135 bar 3 = 50-210 bar 4 = 120-350 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

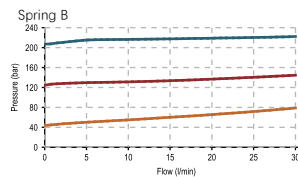
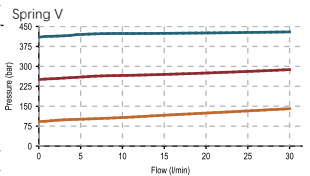
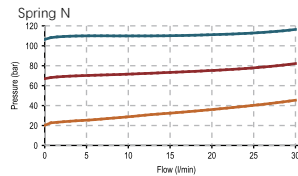
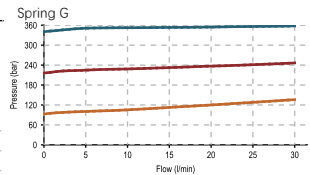
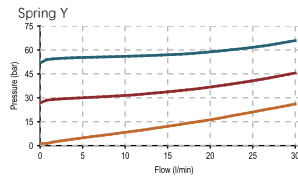
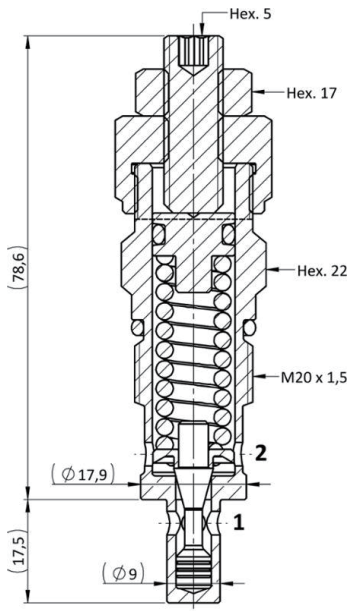
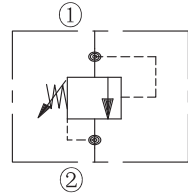
RV01.M20

Directing Acting Direkt wirkendes

TECHNICAL DATA

Technische Parameter

Max. flow	30L/min	Maximale Durchflussmenge
Max. working pressure	420bar	Maximaler Betriebsdruck
Max. internal leakage	1 cc/min at 80 % of set point	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	CL-M20	Hohlraum
Installation torque	40-45Nm	Einbau-Drehmoment
Weight	0,145kg	Gewicht



ORDERING CODE Bestellcode

RV01	M20	0	1	0	00
Cavity Hohlraum M20 = CL-020	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 5-55 bar 2 = 25-110 bar 3 = 50-215 bar 4 = 100-350 bar 5 = 100-420 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

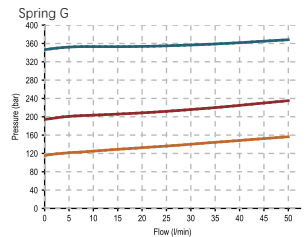
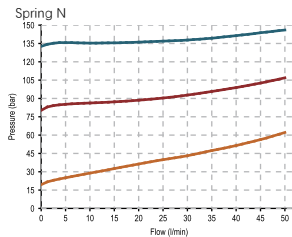
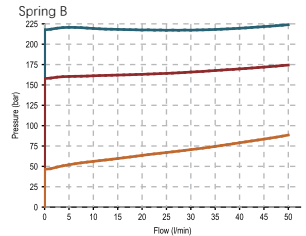
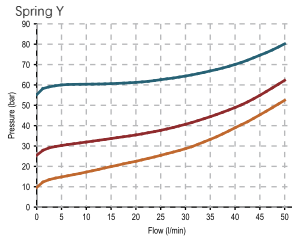
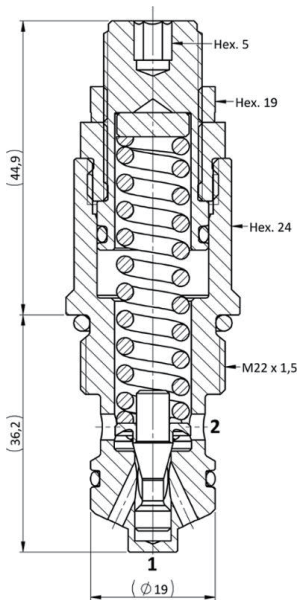
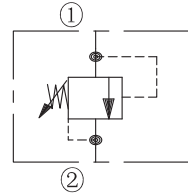
RV01.M22

Directing Acting Direkt wirkendes

TECHNICAL DATA

Technische Parameter

Max. flow	50L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max. internal leakage	0.25 cc/min at 80 % of set point	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	CL-M22	Hohlraum
Installation torque	40-45Nm	Einbau-Drehmoment
Weight	0,176kg	Gewicht



ORDERING CODE Bestellcode

RV01 . M22 . 0 1 . 0 00

Cavity
Hohlraum
M22 = CL-M22

Regulator type
Typ des Reglers
0 = Hex adjusting screw
1 = Handle adjustment

Pressure Range
Druckbereich
1 = 15-50 bar 2 = 51-120 bar
3 = 121-200 bar 4 = 201-350 bar

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

RV02

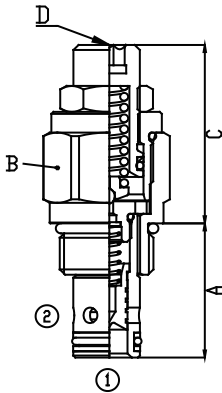
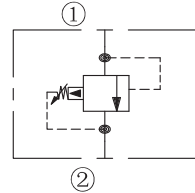
Relief valve, Pilot acting, Spool type Überdruckventil, Pilot-typ, Schieberventil

TECHNICAL DATA

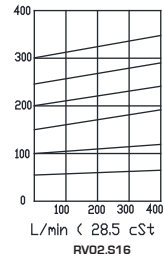
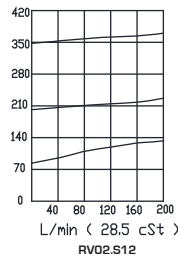
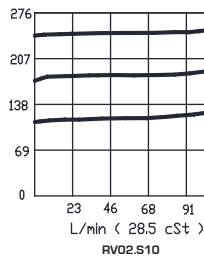
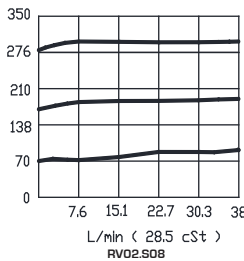
Technische Parameter

Max. working pressure 350 bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit



Max. flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	D	Installation torque Einbau- Drehmoment
57 L/min	RV02.S08	SAE08	27.9	25.4	41.1	8.0H	47-54Nm
100 L/min	RV02.S10	SAE10	32.5	27	44.5	8.0H	74-81Nm
227 L/min	RV02.S12	SAE12	45.0	27	37	6.0H	81-95Nm
400 L/min	RV02.S16	SAE16	44.5	32	44.5	6.0H	95-100Nm



ORDERING CODE Bestellcode

RV02	S08	0	1	0	0B
Cavity Hohlraum S08 = SAE08 S10 = SAE10 S12 = SAE12 S16 = SAE16	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-55 bar 2 = 3.5-105 bar 3 = 3.5-210 bar 4 = 3.5-350 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

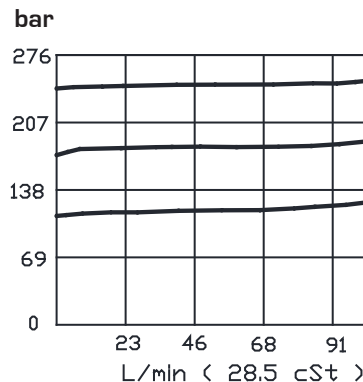
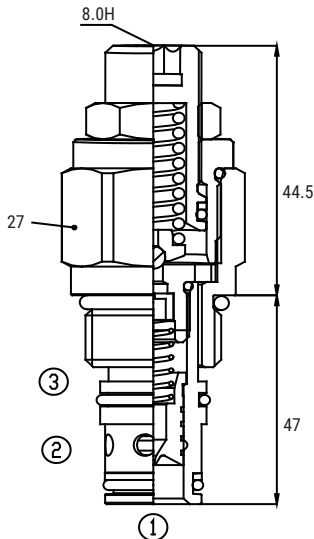
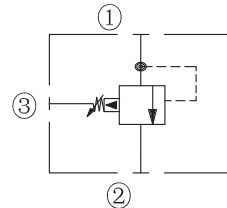
RV03.S10

Relief valve, Pilot acting, Spool type ,Drained at port 3
Überdruckventil, Pilot agiert, Spule-typ, Abfließen am Port 3

TECHNICAL DATA

Technische Parameter

Max. flow	100L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Temperature range	-30 °C to +80 °C (Buna N)	Maximale interne Leckage
Recommended oil cleanliness	ISO 17/15/13	Version
Cavity	SAE10-2	Hohlraum
Installation torque	74-81Nm	Einbau-Drehmoment
		Gewicht



ORDERING CODE Bestellcode

RV03	S10	0	1	0	OB
	Cavity Hohlraum S10 = SAE10-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-80 bar 2 = 3.5-160 bar 3 = 3.5-315 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

RV04.S10

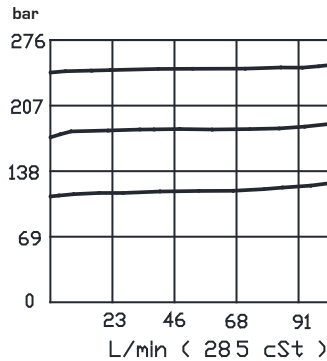
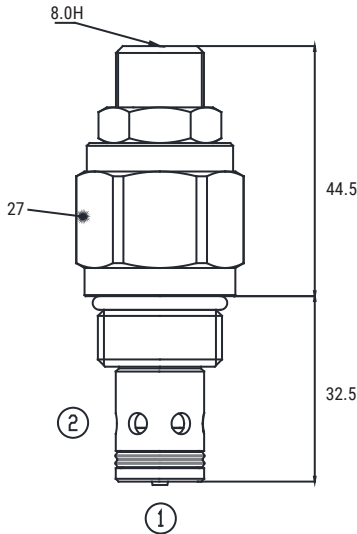
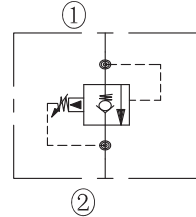
Relief valve, Pilot acting, Poppet type with anti-cavitation
Überdruckventil, Pilot-agiert, Poppet-typ mit Anti-kavitation

TECHNICAL DATA

Technische Parameter

Max. flow	100L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10
Installation torque	74-81Nm

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment



ORDERING CODE Bestellcode

RV04	S10	0	1	0	OB
	Cavity Hohlraum S10 = SAE10	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-150 bar 2 = 3.5-210 bar 3 = 3.5-315 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

RV07.M18

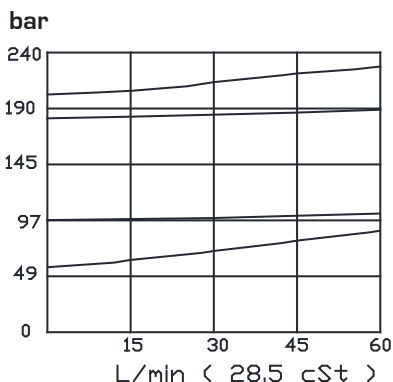
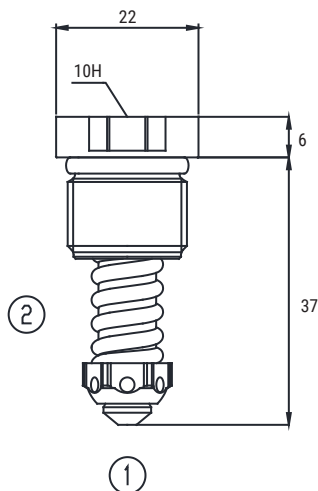
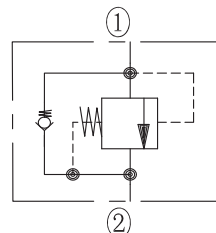
Relief valve, Direct acting with anti-cavitation
Überdruckventil, direkt wirkendes mit Anti-Kavitation

TECHNICAL DATA

Technische Parameter

Max. flow 60L/min
Max. working pressure 380bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Cavity CL-017 (Rexroth-730)
Installation torque 35-40Nm

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment



ORDERING CODE Bestellcode

RV07	M18	0	1	0	0B	250
	Cavity Hohlraum M18 = CL-017 (Rexroth-730)		Pressure Range Druckbereich 1 = 10-70 bar 2 = 70-120 bar 3 = 120-200 bar 4 = 200-270 bar 5 = 270-320 bar 6 = 320-380 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	Setting Pressure Einstelldruck 250 = 250 bar

RV05.S08

Relief valve, Direct acting, Differential area, Poppet type

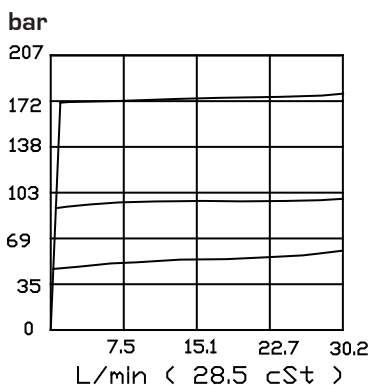
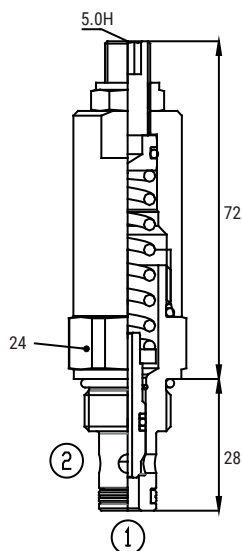
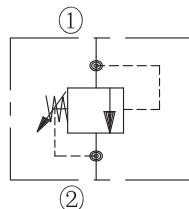
Überdruckventil, Direkt wirkendes, Differential, Poppet Typ

TECHNICAL DATA

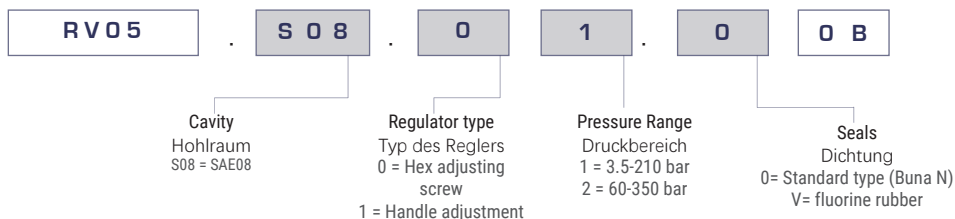
Technische Parameter

Max. flow 30L/min
 Max. working pressure 350bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13
 Cavity SAE08
 Installation torque 25-30Nm

Maximale Durchflussmenge
 Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit
 Hohlraum
 Einbau-Drehmoment



ORDERING CODE Bestellcode



RV05.S10

Relief valve, Direct acting, Differential area, Poppet type

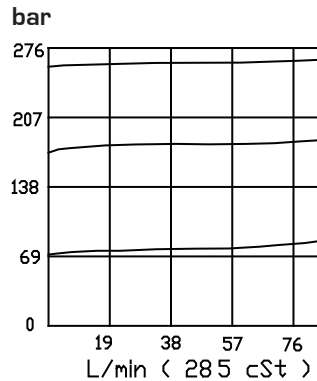
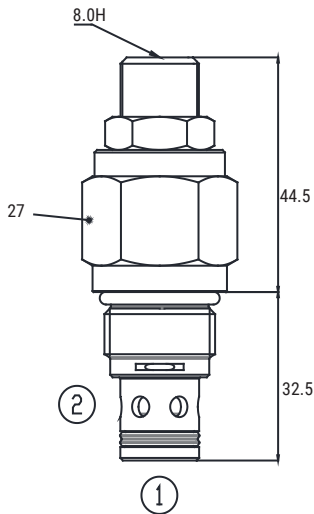
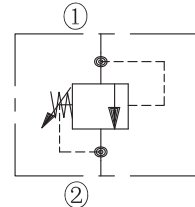
Überdruckventil, Direkt wirkendes, Differential, Poppet Typ

TECHNICAL DATA

Technische Parameter

Max. flow	76L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10
Installation torque	74-81Nm

Maximale Durchflussmenge	76L/min
Maximaler Betriebsdruck	350bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE10
Einbau-Drehmoment	74-81Nm



ORDERING CODE Bestellcode

RV05	S10	0	1	0	OB
	Cavity Hohlraum S08 = SAE10	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-105 bar 2 = 3.5-210 bar 3 = 3.5-350 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

RV06.S10

Relief valve, Differential area, Bi-directional and poppet type

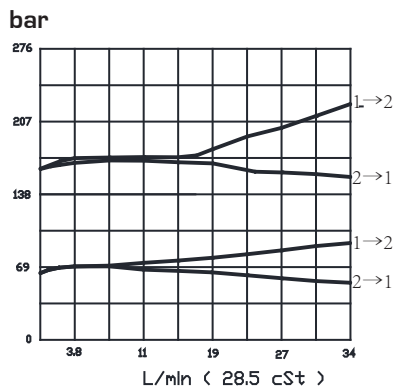
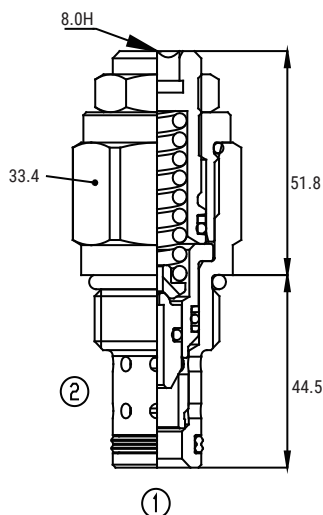
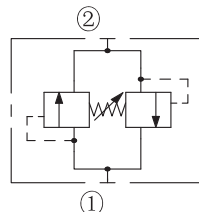
Überdruckventil, Differential, bidirektional, Poppet Typ

TECHNICAL DATA

Technische Parameter

Max. flow	76L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10
Installation torque	74-81Nm

Maximale Durchflussmenge	76L/min
Maximaler Betriebsdruck	350bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE10
Einbau-Drehmoment	74-81Nm



ORDERING CODE Bestellcode

RV06	S10	0	1	0	OB
	Cavity Hohlraum S10 = SAE10	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-105 bar 2 = 3.5-210 bar 3 = 3.5-350 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

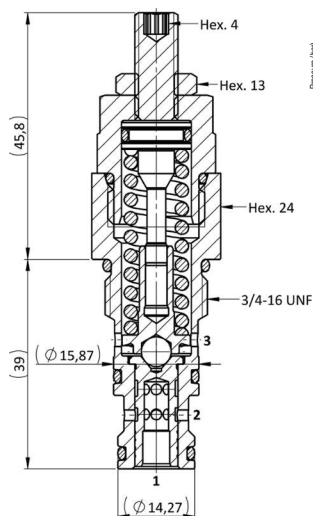
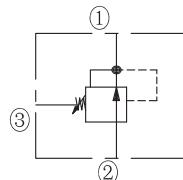
PRO1.S08

Direct acting Direkt wirkendes

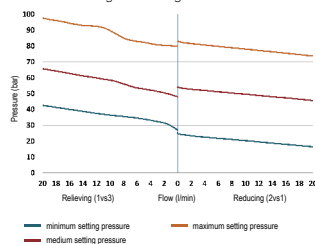
TECHNICAL DATA

Technische Parameter

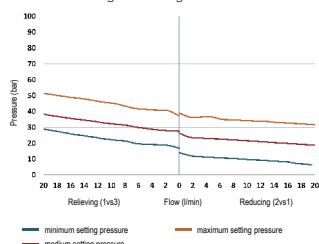
Max.flow	20L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max.internal leakage (1 to 3)	100 cc / min to 80 % of set point	Maximale interne Leckage(1 bis 3)
Version	Spool type-Direct acting	Version
Cavity	SAE08-2	Hohlraum
Installation torque	45-50Nm	Einbau-Drehmoment
Weight	0,141kg	Gewicht



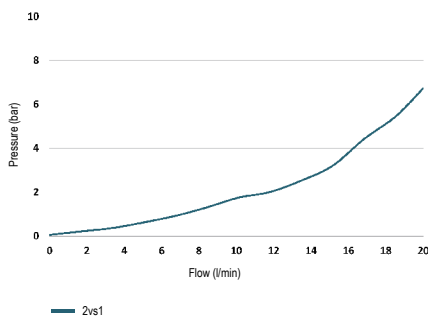
Pressure Reducing & Relieving Functions - SPRING N



Pressure Reducing & Relieving Functions - SPRING S



p/Q Performance (fully open)



ORDERING CODE Bestellcode

PRO1	.	S08	.	0	.	1	.	0	.	0B
-------------	---	------------	---	----------	---	----------	---	----------	---	-----------

Cavity
Hohlraum
S10 = SAE10-2

Regulator type
Typ des Reglers
0 = Hex adjusting screw
1 = Handle adjustment

Pressure Range
Druckbereich
1 = 15-40 bar
2 = 20-80 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PR05

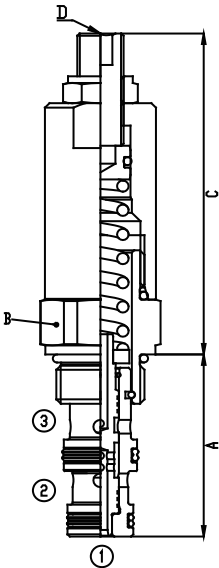
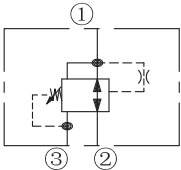
Direct acting, Reducing/relieving valve with spool damping chamber.
Direkt wirkendes, Reduzier-/Entlastungsventil mit Spulendämpferkammer

TECHNICAL DATA

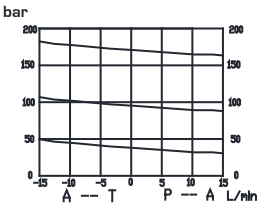
Technische Parameter

Max. working pressure 420bar
Temperature range -30 C to +80 C (Buna N)
Recommended oil cleanliness ISO 17/15/13

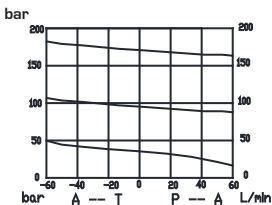
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max. flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	D	Installation torque Einbau- Drehmoment
15 L/min	PR05.S08	SAE08-2	41.0	24.0	72.0	5.0H	33-37Nm
60 L/min	PR05.S10	SAE10-2	47.0	25.4	84.0	4.0H	47-52Nm



PR05.S08



PR05.S10

ORDERING CODE Bestellcode

PR05

S08

0

1

0

0B

Cavity
Hohlraum
S08 = SAE08-2
S10 = SAE10-2

Regulator type
Typ des Reglers
0 = Hex adjusting
screw
1 = Handle adjustment

Pressure Range
Druckbereich
08 diameter:
1 = up to 40 bar
2 = up to 80 bar
3 = up to 150 bar
10 diameter:
1 = up to 30 bar
2 = up to 80 bar
3 = up to 110 bar
4 = up to 150 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PRO2.S10

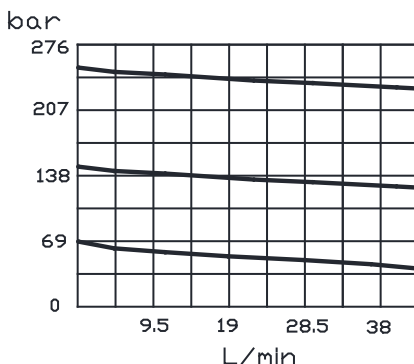
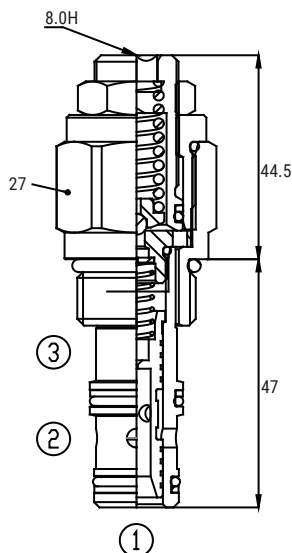
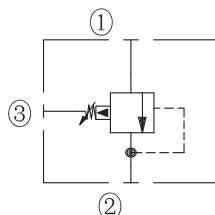
Pilot acting, Reducing valve Pilotbetriebebene Reduzierventile

TECHNICAL DATA

Technische Parameter

Max. flow	46L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10-2
Installation torque	74-81Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PRO2	S10	0	1	0	OB
	Cavity Hohlraum S10 = SAE10-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-55 bar 2 = 3.5-105 bar 3 = 3.5-210 bar 4 = 3.5-350 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

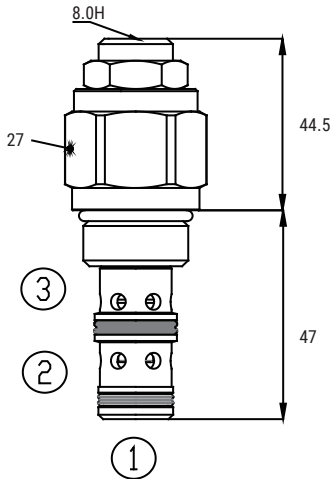
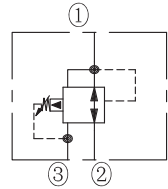
PRO3.S10

Pilot acting, Reducing/relieving valve Pilotbetriebene Reduzierventile/Überdruckventil

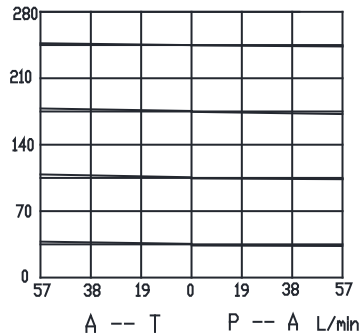
TECHNICAL DATA

Technische Parameter

Max. flow	46L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Temperature range	-30 °C to +80 °C (Buna N)	Temperaturbereich
Recommended oil cleanliness	ISO 17/15/13	Empfohlene Ölsauberkeit
Cavity	SAE10-2	Hohlraum
Installation torque	74-81Nm	Einbau-Drehmoment



P/bar



ORDERING CODE Bestellcode

PRO3	S10	0	1	0	OB
	Cavity Hohlraum S10 = SAE10-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-55 bar 2 = 3.5-105 bar 3 = 3.5-210 bar 4 = 3.5-350 bar		Seals Dichtung 0 = Standard type (Buna N) V = fluorine rubber

PS01S.S08

Direct acting, Sequence valve with internal pilot, Spool-type,

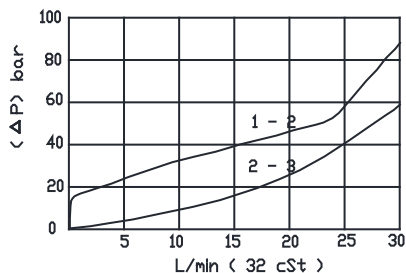
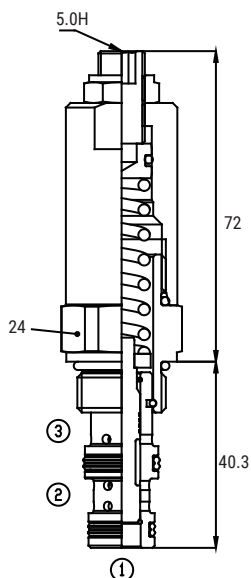
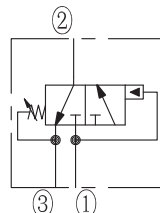
Direkt wirkendes, Sequentielles Ventil, mit internem Piloten , Spule-Typ

TECHNICAL DATA

Technische Parameter

Max. flow	30L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE08-2
Installation torque	30-32Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PS01S	S08	0	1	0	0B
	Cavity Hohlraum S08 = SAE08-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 10-50 bar 2 = 50-240 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

PS01.S08

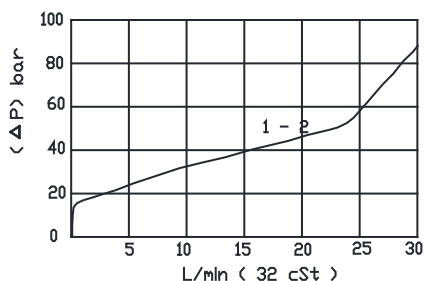
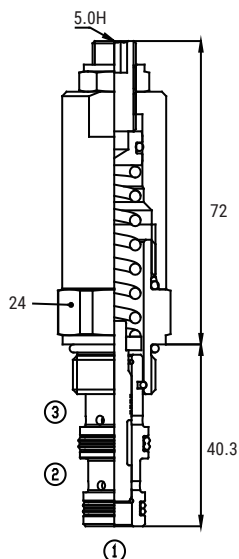
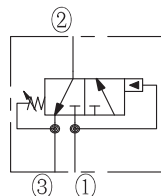
Direct acting, Sequence valve with internal pilot, Spool-type,
Direkt wirkendes, Sequentielles Ventil, Interne Steuerung, Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	30L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE08-2
Installation torque	30-32Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PS01	S08	0	1	0	0B
	Cavity Hohlraum S08 = SAE08-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 10-50 bar 2 = 50-240 bar		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber

PS01.S10

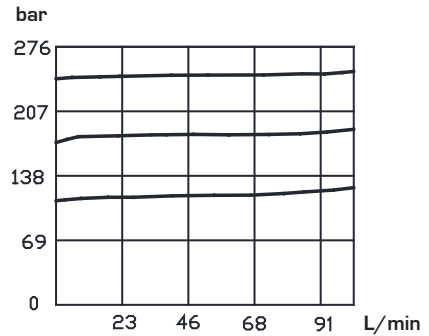
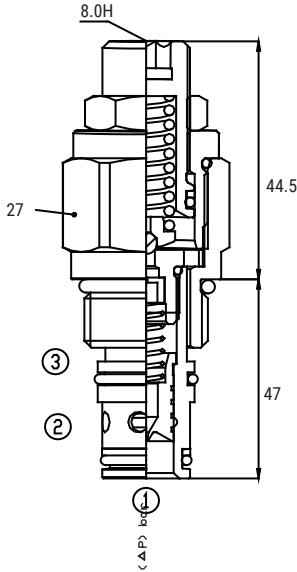
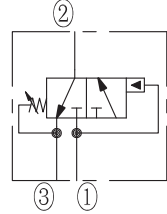
Pilot acting, Sequence valve with internal pilot, Spool-type
Sequentielles Ventil, Interne Steuerung , Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	45L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10-2
Installation torque	74-81Nm

Maximale Durchflussmenge	45L/min
Maximaler Betriebsdruck	350bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE10-2
Einbau- Drehmoment	74-81Nm



ORDERING CODE Bestellcode

PS01	S10	0	1	0	OB
Cavity Hohlraum S10 = SAE10-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 3.5-80 bar 2 = 3.5-160 bar 3 = 3.5-315 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

PS02.S10

Direct acting, Sequence valve with external pilot, Spool-type

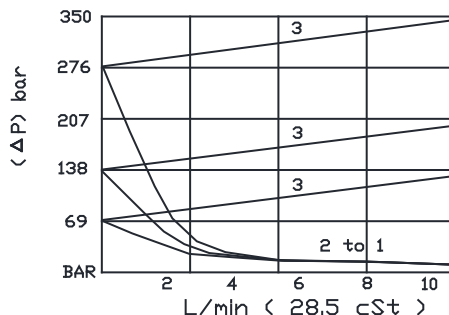
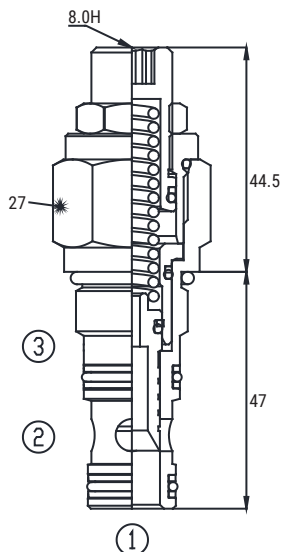
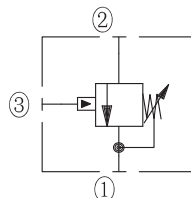
Direkt wirkendes, Sequentielles Ventil, Interne Steuerung, Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	76L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	CL-012(7/8" - 14 UNF)
Installation torque	47-54Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PS02	S10	0	1	0	OB
Cavity Hohlraum S10 = CL-012(7/8" - 14 UNF)	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 17.5-84 bar 2 = 56-140 bar 3 = 155.4-280 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

UP01.S10

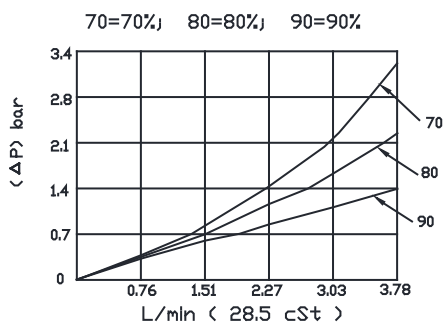
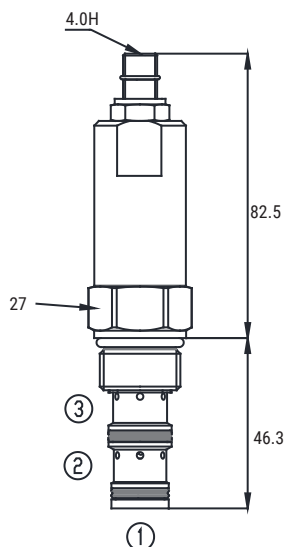
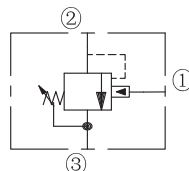
External control relief valve Überdruckventil, Externe Steuerung

TECHNICAL DATA

Technische Parameter

Max. flow 3.8 L/min
 Max. working pressure 240 bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13
 Cavity SAE10-2
 Installation torque 34-37 Nm

Maximale Durchflussmenge
 Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit
 Hohlraum
 Einbau-Drehmoment



ORDERING CODE Bestellcode

UP01	S10	0	1	7	0	OB
Cavity Hohlraum S10 = SAE10-2	Regulator type Typ des Reglers 0 = Hex adjusting screw 1 = Handle adjustment	Pressure Range Druckbereich 1 = 25-70 bar 2 = 25-105 bar 3 = 70-210 bar	Pressure Ratio Druckverhältnis 7 = 70% 8 = 80% 9 = 90%	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

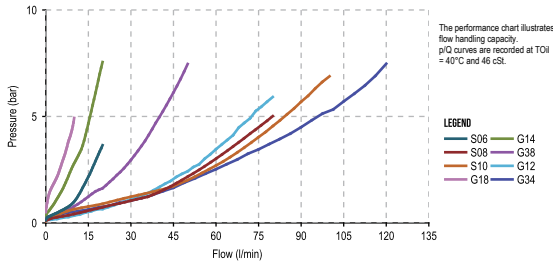
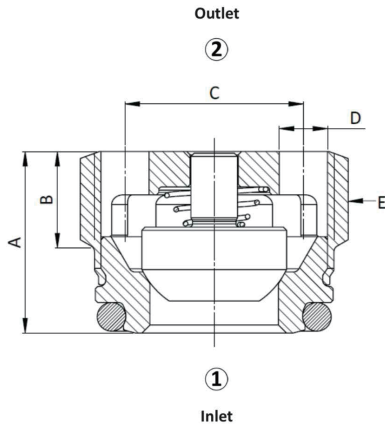
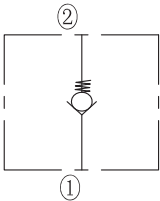
CV01

INSERT TYPE Eingebaut

TECHNICAL DATA

Technische Parameter

Max. flow	See below table Siehe folgende Tabelle	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	<0.5bar	Öffnungsdruck
Version	Poppet type-Direct acting	Version
Installation torque	See below table Siehe folgende Tabelle	Einbau-Drehmoment
Weight	See below table Siehe folgende Tabelle	Gewicht



E	A	B	C	D	Max Flow	Install. Torque	Weight	Cavity
(size)	(mm)	(mm)	(mm)	(mm)	(L/min)	(Nm)	(kg)	(mm)
180	7,5	3,5	φ5,6	φ1,6	10	6	0,002	CL-000
140	8,5	4,4	φ8,4	φ2,2	20	15	0,005	CL-001
380	11,3	6,0	φ11,1	φ3,0	50	30	0,011	CL-002
120	12,7	6,5	φ13,5	φ3,8	80	30	0,019	CL-003
340	14,8	7,6	φ16,5	φ5,0	120	50	0,040	CL-004

ORDERING CODE Bestellcode

CV	01	140	01	000
		Cavity Hohlraum See table	Spring range Federdruckbereich 01- 0.5bar	Standard Standard

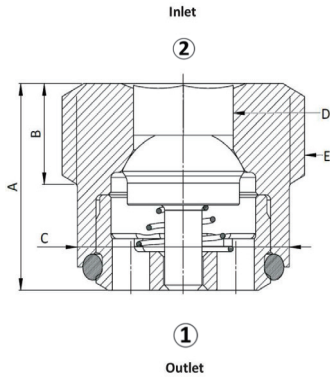
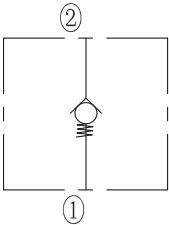
CRO1

INSERT TYPE Eingebaut

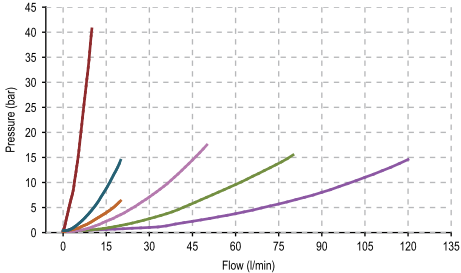
TECHNICAL DATA

Technische Parameter

Max. flow	See below table Siehe folgende Tabelle	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	<0.5bar	Öffnungsdruck
Version	Poppet type-Direct acting	Version
Installation torque	See below table Siehe folgende Tabelle	Einbau-Drehmoment
Weight	See below table Siehe folgende Tabelle	Gewicht



PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity. p/Q curves are recorded at TOI = 40°C and 46 cSt.

LEGEND
S06 G12
G18 G34
G14 G38

E	A	B	C	D	Max Flow	Install. Torque	Weight	Cavity
(size)	(mm)	(mm)	(mm)	(mm)	(L/min)	(Nm)	(kg)	(mm)
180	8,0	3,9	φ8,5	4	10	9	0,003	CL-000
140	10,2	5,5	φ11,5	6	20	15	0,007	CL-001
380	11,7	7,5	φ14,9	8	30	25	0,015	CL-002
120	13,5	7,9	φ18,7	10	50	40	0,023	CL-003
340	17,5	11,5	φ24,0	10	80	50	0,050	CL-004

ORDERING CODE Bestellcode

CR

O1

140

O1

000

Cavity
Hohlraum
See table
Siehe folgende Tabelle

Spring range
Federdruckbereich
01- 0.5bar

Standard
Standard

CV02.S08

Poppet type Kegel Typ

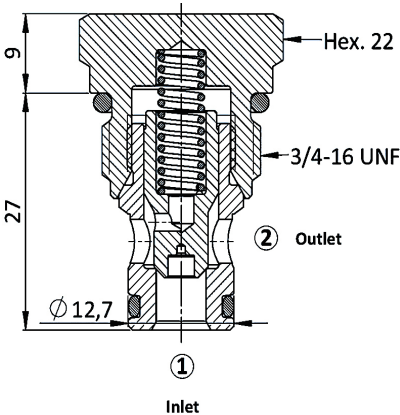
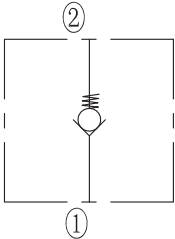
TECHNICAL DATA

Technische Parameter

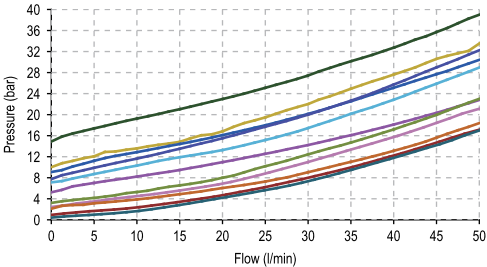
Max.flow
Max. working pressure
Max.internal leakage
Version
Cavity
Installation torque
Weight

50L/min
420bar
0.1cc/min@10/420bar
Poppet type-Direct acting
SAE08
40-45Nm
0,060kg

Maximale Durchflussmenge
Maximaler Betriebsdruck
Maximale interne Leckage
Version
Hohlraum
Einbau-Drehmoment
Gewicht



PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOI = 40°C and 46 cSt.

LEGEND
Spring Y Spring I
Spring N Spring G
Spring M Spring V
Spring S Spring R
Spring B Spring W
Spring P

ORDERING CODE Bestellcode

CV02 . S08 . 0 1 . 0 00

Cavity
Hohlraum
S08 = SAE08

Spring range
Federdruckbereich
01- 1,0bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

CV02.S10

Poppet type Kegel Typ

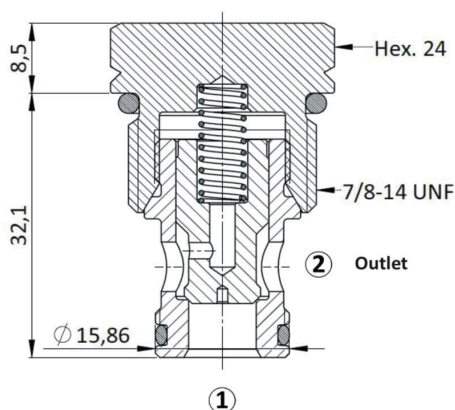
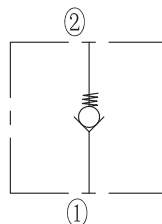
TECHNICAL DATA

Technische Parameter

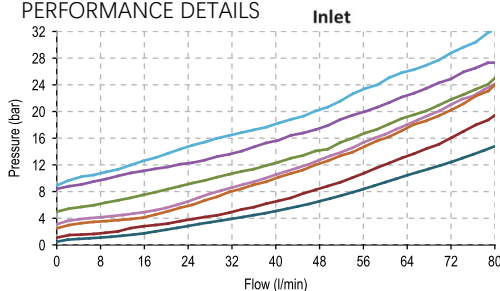
Max. flow
Max. working pressure
Version
Cavity
Installation torque
Weight

80L/min
420bar
Poppet type-Direct acting
SAE10
55-65Nm
0,090kg

Maximale Durchflussmenge
Maximaler Betriebsdruck
Version
Hohlraum
Einbau-Drehmoment
Gewicht



PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOI = 40°C and 46 cSt.

LEGEND
— Spring Y — Spring P
— Spring N — Spring G
— Spring S — Spring V
— Spring B

ORDERING CODE Bestellcode

CV02 . S10 . 0 . 1 . 0 . 00

Cavity
Hohlraum
S10 = SAE10

Spring range
Federdruckbereich
01- 1,0bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

CV02.S12

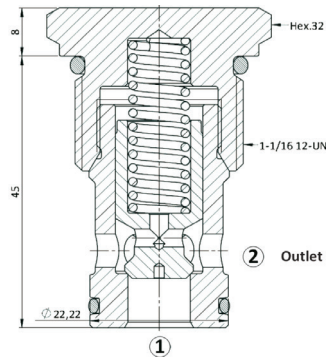
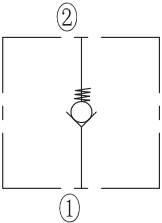
CARTRIDGE TYPE Kartuschentyp

TECHNICAL DATA

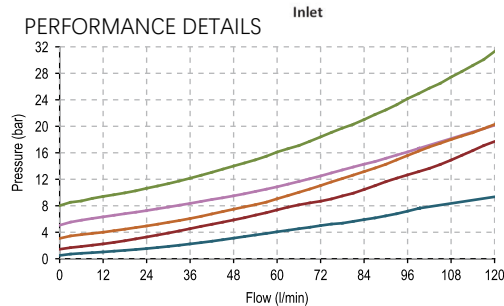
Technische Parameter

Max.flow 120L/min
Max. working pressure 420bar
Version Poppet type-Direct acting
Cavity SAE12
Installation torque 85-95Nm
Weight 0,160kg

Maximale Durchflussmenge
Maximaler Betriebsdruck
Version
Hohlraum
Einbau-Drehmoment
Gewicht



PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at TOI = 40°C and 46 cSt.

LEGEND
— Spring Y — Spring G
— Spring N
— Spring B
— Spring P

ORDERING CODE Bestellcode

CV02 . S12 . 0 1 . 0 00

Cavity
Hohlraum
S12 = SAE12

Spring range
Federdruckbereich
01- 1,0bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

CV02S.S10

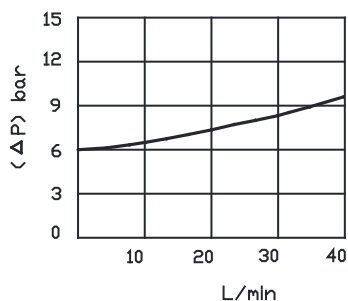
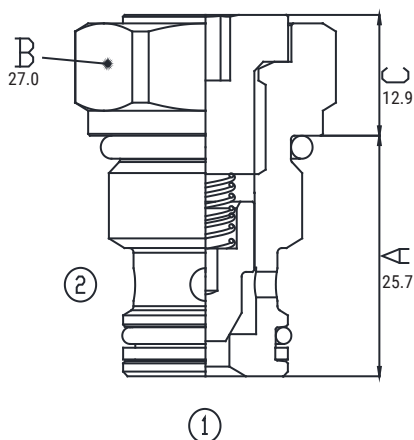
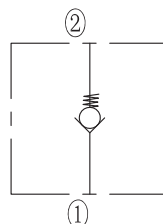
Check valve, Poppet type Rückschlagventil, Kegel Typ

TECHNICAL DATA

Technische Parameter

Max. flow	38 L/min
Max. working pressure	350 bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	CL-010(7/8-14 UNF)
Installation torque	55-65 Nm

Maximale Durchflussmenge	38 L/min
Maximaler Betriebsdruck	350 bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	CL-010(7/8-14 UNF)
Einbau-Drehmoment	55-65 Nm



ORDERING CODE Bestellcode

CV02S

S10

0

1

0

OB

Cavity
Hohlraum
S10 = CL-010(7/8-14 UNF)

Opening Pressure
Öffnungsdruck
1 = 4.5 bar
2 = 9.0 bar

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

CV04

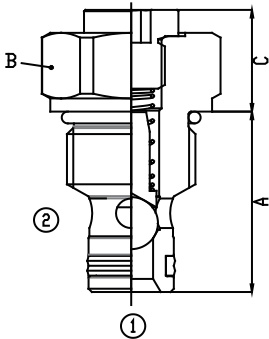
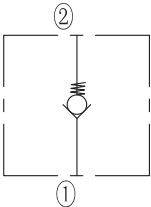
Check valve,Ball type Rückschlagventil,Stahlkugel

TECHNICAL DATA

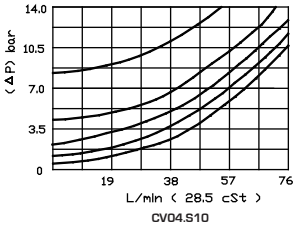
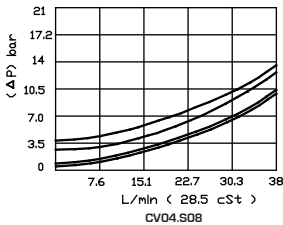
Technische Parameter

Max. working pressure 350bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
38 L/min	CV04.S08	SAE08	27.5	24	14.1	47-54Nm
68 L/min	CV04.S10	SAE10	31.5	27	14.2	74-81Nm



ORDERING CODE Bestellcode

CV04 . S08 . 0 . 1 . 0 . 0B

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10

Opening Pressure
Öffnungsdruck
1 = 0.34 bar
2 = 1.0 bar
3 = 1.7 bar
4 = 3.45 bar
5 = 6.9 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber



CR02.13A

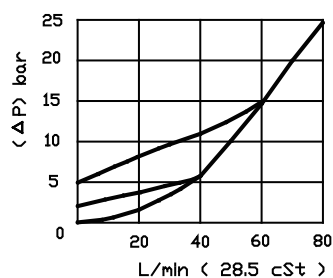
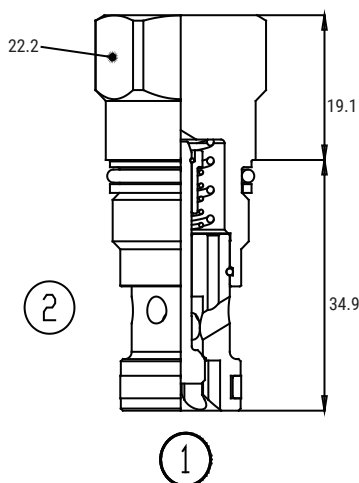
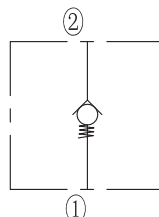
Check valve, Poppet type Rückschlagventil, Kegel Typ

TECHNICAL DATA

Technische Parameter

Max. flow	60 L/min
Max. working pressure	350 bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	T-13A
Installation torque	40-50 Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

CR02 . 13A . 0 . 1 . 0 . 0B

Cavity
Hohlraum
13A = T-13A

Opening Pressure
Öffnungsdruck
1 = 0.3 bar
2 = 1.0 bar
3 = 2.0 bar
4 = 3.5 bar
5 = 5.0 bar
6 = 7.0 bar

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

PC01S.S08

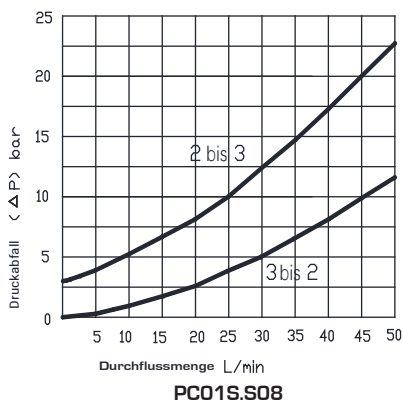
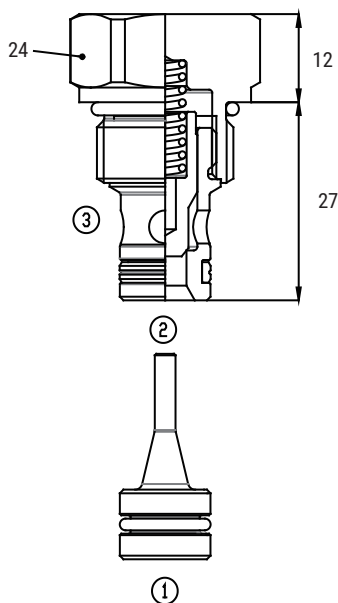
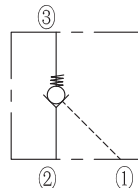
Pilot check valve, Ball type Hydraulisch gesteuertes Rückschlagventil, Stahlkugel

TECHNICAL DATA

Technische Parameter

Max. flow	50L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 21/18/15
Cavity	CL-008
Installation torque	47-54Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PC01S	S08	4	1	0	OB
	Cavity Hohlraum S08 = CL-008	Conductance Ratio Druckverhältnis 4 = 4,5:1	Opening Pressure Öffnungsdruck 1 = 3,5 bar	Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

PC01.S08

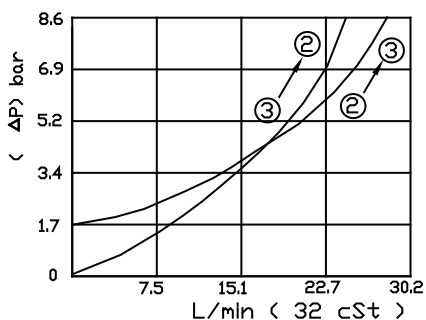
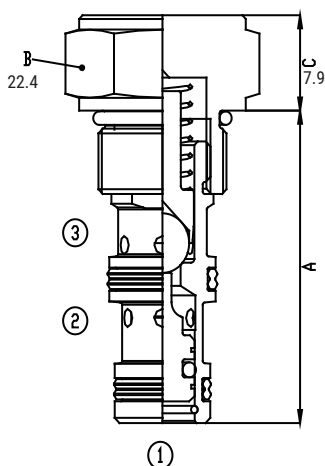
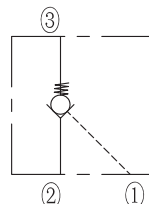
Pilot check valve, Ball type Hydraulisch gesteuertes Rückschlagventil, Stahlkugel

TECHNICAL DATA

Technische Parameter

Max. flow	25L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE08-2
Installation torque	27.1Nm

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment



ORDERING CODE Bestellcode

PC01	S08	0	1	0	0B
	Cavity Hohlraum S08 = SAE08-2	Conductance Ratio Druckverhältnis 0 = 3:1	Opening Pressure Öffnungsdruck 1 = 1.72 bar 2 = 4.8 bar 3 = 6.2 bar 4 = 8.2 bar 5 = 18.3 bar		Seals Dichtung 0 = Standard type (Buna N) V = fluorine rubber

PC03.11A

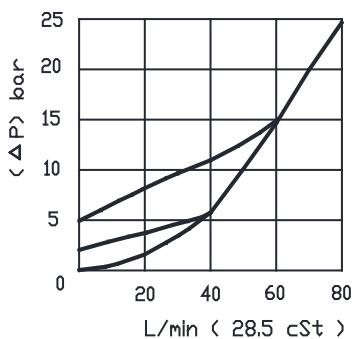
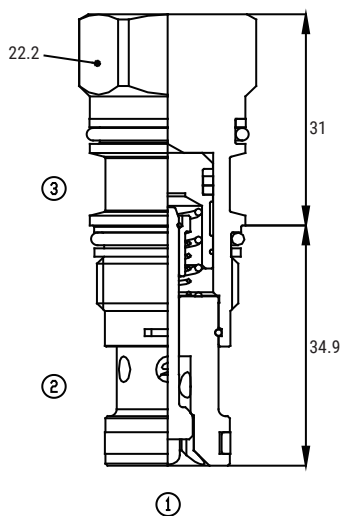
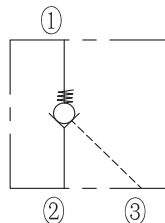
Pilot check valve, Poppet type Hydraulisch gesteuertes Rückschlagventil, Kegel Typ

TECHNICAL DATA

Technische Parameter

Max. flow	60L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	T-11A
Installation torque	40-50Nm

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	



ORDERING CODE Bestellcode

PC03	11A	0	1	0	0B
Cavity Hohlraum 11A = T-11A	Conductance Ratio Druckverhältnis 0 = 3:1 1 = Manual voltage conduction	Opening Pressure Öffnungsdruck 1 = 0.3 bar 2 = 1.0 bar 3 = 2.0 bar 4 = 3.5 bar 5 = 5.0 bar 6 = 7.0 bar	Seals Dichtung 0 = Standard type (Buna N) V = fluorine rubber		

PC04

Pilot check valve,Poppet type Hydraulisch gesteuertes Rückschlagventil,Kegel Typ

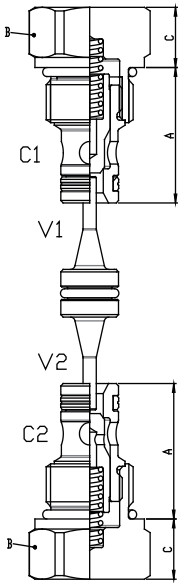
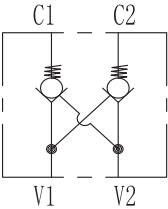
TECHNICAL DATA

Technische Parameter

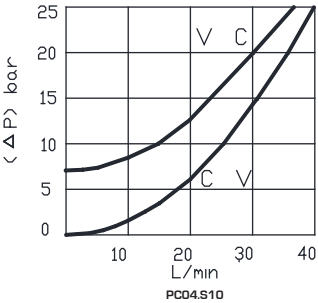
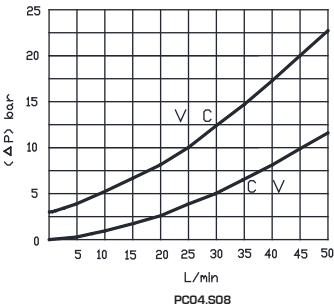
Max. working pressure
Temperature range
Recommended oil cleanliness

350bar
-30 C to +80 C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
50 L/min	PC04.S08	CL-009	27.0	24.0	12.0	47-54Nm
40 L/min	PC04.S10	CL-015	25.7	27.0	12.9	55-65Nm



ORDERING CODE Bestellcode

PC04

S08

0

1

0

0B

Cavity
Hohlraum
S08 = CL-009(3/4-16 UNF)
S10 = CL-015(7/8-14 UNF)

Conductance Ratio
Druckverhältnis
1 = 3:1
2 = 4.5:1
3 = 7:1

Opening Pressure
Öffnungsdruck
1 = 3.5 bar
2 = 4.5 bar
3 = 8 bar
4 = 15 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

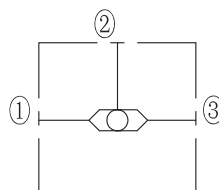
LS02.M18

Ball type Stahlkugel

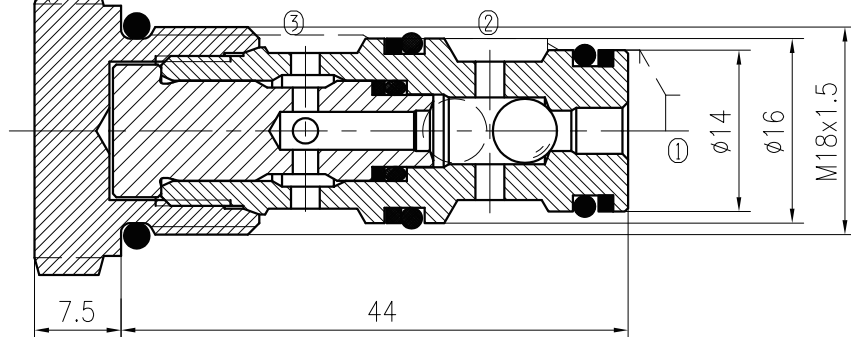
TECHNICAL DATA

Technische Parameter

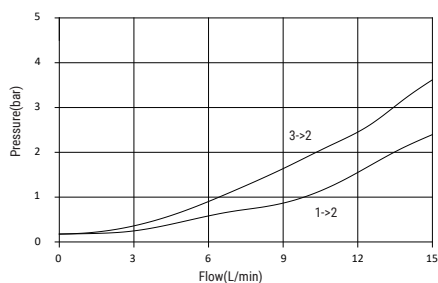
Max. flow	10L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Version	Ball type-Direct acting	Version
Cavity	CL-M18	Hohlraum
Installation torque	35-40Nm	Einbau-Drehmoment
Weight	0,062kg	Gewicht



S22



p/Q performance



ORDERING CODE Bestellcode

LS02	.	M18	.	0	.	0	.	0	.	01
------	---	-----	---	---	---	---	---	---	---	----

Cavity
Hohlraum
M18 = CL-M18

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

LS02

Shut-off valves,Ball type Wechselventil,Stahlkugel

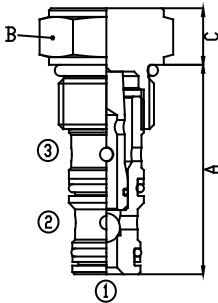
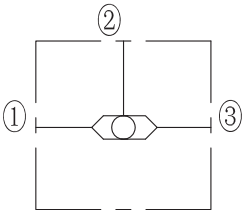
TECHNICAL DATA

Technische Parameter

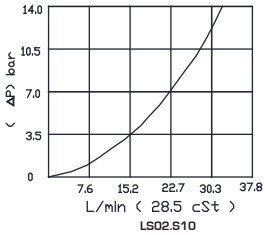
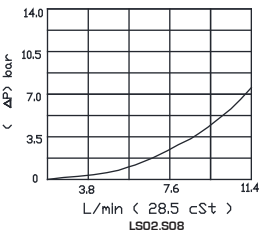
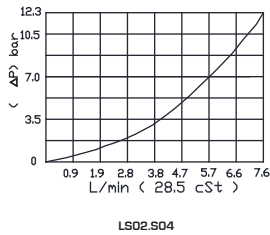
Max. working pressure
Temperature range
Recommended oil cleanliness

350bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
6 L/min	LS02.S04	CL-006	35.7	4.6HEX	2.5	14-16Nm
12 L/min	LS02.S08	SAE08-2	40.6	25.4	12.7	47-54Nm
23 L/min	LS02.S10	SAE10-2	47.0	27.0	12.7	74-82Nm



ORDERING CODE Bestellcode

LS02

S04

O

O

O

OB

Cavity
Hohlraum
S04 = CL-006(7/16-20 UNF)
S08 = SAE08-2
S10 = SAE10-2

Seals
Dichtung
O= Standard type (Buna N)
V= fluorine rubber

PD01

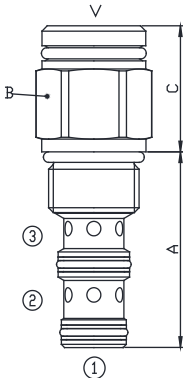
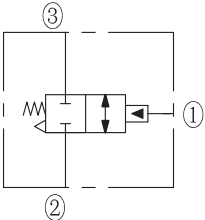
Hydraulically operated directional valve, Atmospherically referenced
Hydraulische Steuerung Wegeventil, luftdurchlässig

TECHNICAL DATA

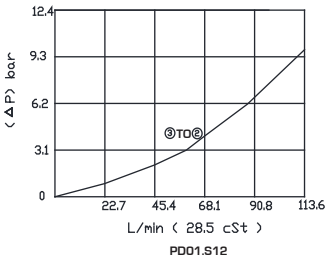
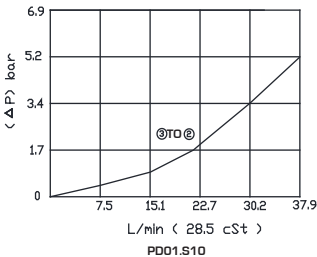
Technische Parameter

Max. working pressure 250bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
38 L/min	PD01.S10	SAE10-2	46.0	25.4	29.7	33-37Nm
114 L/min	PD01.S12	SAE12-2	70.6	31.8	39.1	47-52Nm



ORDERING CODE Bestellcode

PD01

S10

1

1

0

OB

Cavity
Hohlraum
S10 = SAE10-2
S12 = SAE12-2

Symbol
Symbol
1 = NO normal open
2 = NO normal closed

Opening Pressure
Öffnungsdruck
1 = 7.6 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PD02

Hydraulically operated directional valve, Internal drain to port 3
Hydraulische Steuerung Wegeventil, Interner Abfluss zum Hafen 3

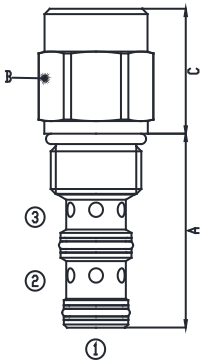
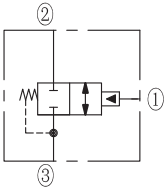
TECHNICAL DATA

Technische Parameter

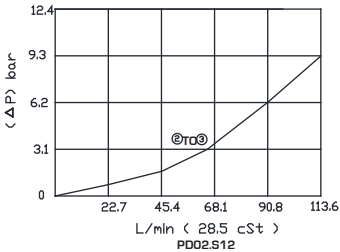
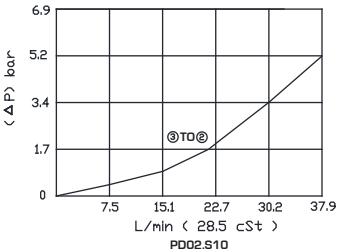
Max. working pressure
Temperature range
Recommended oil cleanliness

240bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
38 L/min	PD02.S10	SAE10-2	46.7	25.4	29.8	33.9Nm
114 L/min	PD02.S12	SAE12-2	70.6	31.8	39.1	47.4Nm



ORDERING CODE Bestellcode

PD02 . S10 . 1 . 1 . 0 . 0B

Cavity
Hohlraum
S10 = SAE10
S12 = SAE12

Symbol
Symbol
1 = NO normal open
2 = NO normal closed

Opening Pressure
Öffnungsdruck
1 = 7.6 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PD03

Hydraulically operated directional valve, External drain to port 4
Hydraulische Steuerung Wegeventil, Leckage zum #4 Oeffnung

TECHNICAL DATA

Technische Parameter

Max. working pressure

Temperature range

Recommended oil cleanliness

250bar

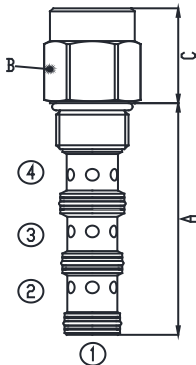
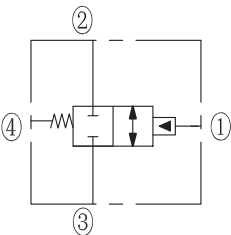
-30 °C to +80 °C (Buna N)

ISO 17/15/13

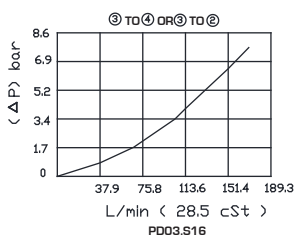
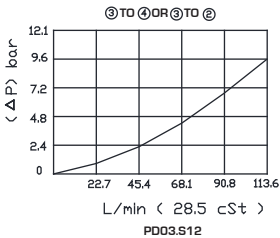
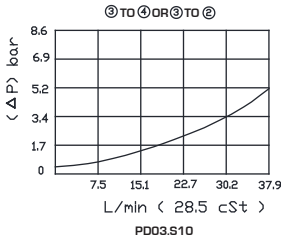
Maximaler Betriebsdruck

Temperaturbereich

Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
38 L/min	PD03.S10	SAE10-3	62.0	25.4	29.7	33-37Nm
114 l/min	PD03.S12	SAE12-3	98.6	31.8	39.1	47-52Nm
170 L/min	PD03.S16	SAE16-3	105	38.1	33.3	67-74Nm



ORDERING CODE Bestellcode

PD03

S10

1

1

0

OB

Cavity
Hohlraum
S10 = SAE10-3
S12 = SAE12-3
S16 = SAE16-3

Symbol
Symbol
1 = NO normal open
2 = NO normal closed

Opening Pressure
Öffnungsdruck
1 = 7.6 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

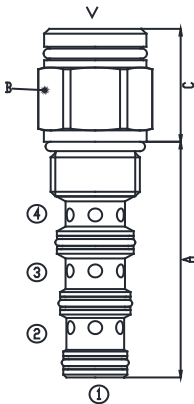
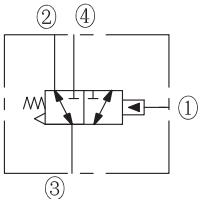
PE01

Hydraulically operated directional valve, Atmospherically referenced
Hydraulische Steuerung Wegeventil, luftdurchlässig

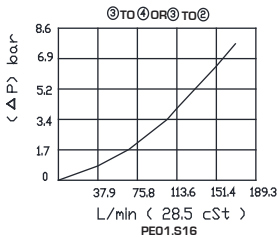
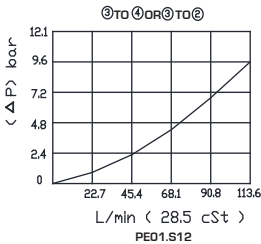
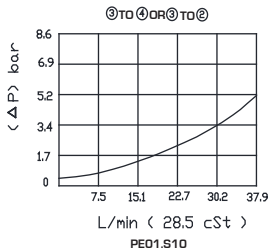
TECHNICAL DATA

Technische Parameter

Max. working pressure	250bar	Maximaler Betriebsdruck
Temperature range	-30 °C to +80 °C (Buna N)	Temperaturbereich
Recommended oil cleanliness	ISO 17/15/13	Empfohlene Ölsauberkeit



Max flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau - Drehmoment
38 L/min	PE01.S10	SAE10-3	62.0	25.4	29.7	33-37Nm
114 l/min	PE01.S12	SAE12-3	98.6	31.8	39.1	47-52Nm
170 L/min	PE01.S16	SAE16-3	105	38.1	33.3	67-74Nm



ORDERING CODE Bestellcode

PE01

S10

0

1

0

0B

Cavity
Hohlraum
S10 = SAE10-3
S12 = SAE12-3
S16 = SAE16-3

Opening Pressure
Öffnungsdruck
1 = 7.7 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PE02

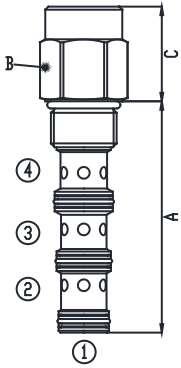
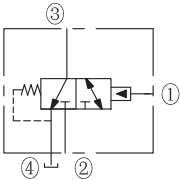
Hydraulically operated directional valve, Internal drain to port 4
Hydraulische Steuerung Wegeventil, Interner Abfluss zum Hafen 4

TECHNICAL DATA
Technische Parameter

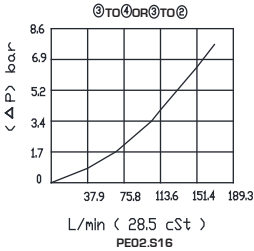
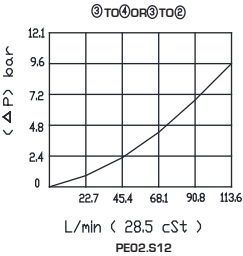
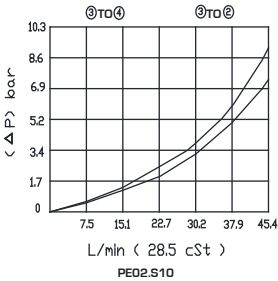
Max. working pressure
Temperature range
Recommended oil cleanliness

250bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau - Drehmoment
38 L/min	PE02.S10	SAE10-3	62.0	25.4	29.7	33-37Nm
114 l/min	PE02.S12	SAE12-3	98.6	31.8	39.1	47-52Nm
170 L/min	PE02.S16	SAE16-3	105	38.1	33.3	67-74Nm



ORDERING CODE Bestellcode

PE02

S10

1

1

0

OB

Cavity
Hohlraum
S10 = SAE10-3
S12 = SAE12-3
S16 = SAE16-3

1 =
2 =

Symbol
Symbol

Opening Pressure
Öffnungsdruck
1 = 7.7 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PE03

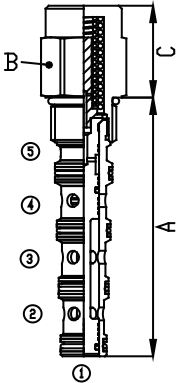
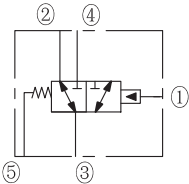
Hydraulically operated directional valve, External drain to port 5
Hydraulische Steuerung Wegeventil, Externer Abfluss zum Hafen 5

TECHNICAL DATA
Technische Parameter

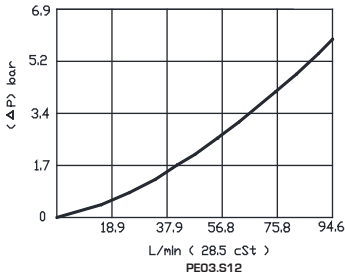
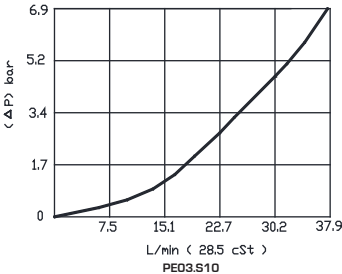
Max. working pressure
Temperature range
Recommended oil cleanliness

250bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
38 L/min	PE03.S10	SAE10-4	77.7	25.4	29.7	33.9Nm
95 L/min	PE03.S12	CL-016	110.2	31.8	39.1	47.4Nm



ORDERING CODE Bestellcode

PE03

S10

0

1

0

OB

Cavity
Hohlraum
S10 = SAE10-4
S12 = CL-016(1-1/16 - 12 UN)

Opening Pressure
Öffnungsdruck
1 = 7.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

PF01

Hydraulically operated directional valve, External drain to port 6
Hydraulische Steuerung Wegeventil, Externer Abfluss zum Hafen 6

TECHNICAL DATA
Technische Parameter

Max. working pressure

Temperature range

Recommended oil cleanliness

250bar

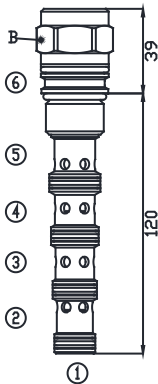
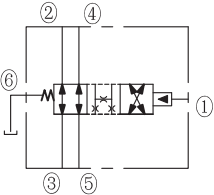
-30 °C to +80 °C (Buna N)

ISO 17/15/13

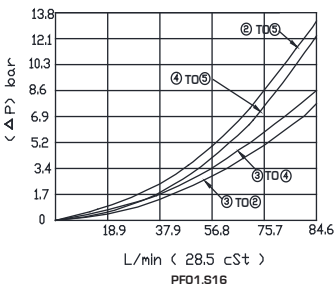
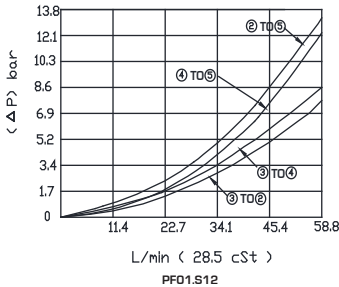
Maximaler Betriebsdruck

Temperaturbereich

Empfohlene Ölsauberkeit



Max. flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
56 L/min	PF01.S12	CL-007	119.9	31.8	39.1	47-52Nm
95 L/min	PF01.S16	CL-011	131.8	38.1	51.6	67-74Nm



ORDERING CODE Bestellcode

PF01

S12

1

1

0

OB

Cavity
Hohlraum
S12 = CL-007(1-1/16 - 12 UN)
S16 = CL-011(1-5/16 - 12 UN)

Symbol
Symbol
1 =

Opening Pressure
Öffnungsdruck
1 = 7.7 bar
2 = 11.7 bar

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV25.S08

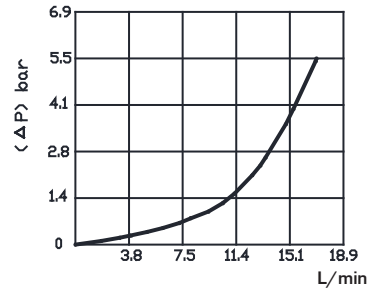
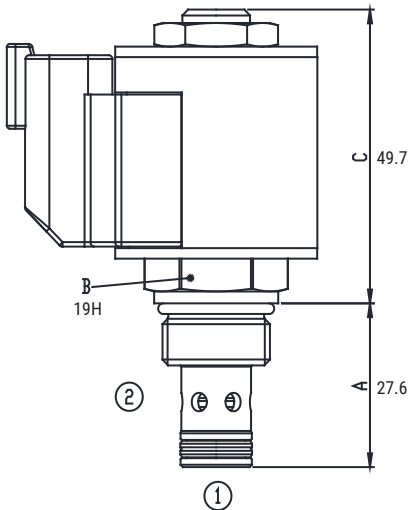
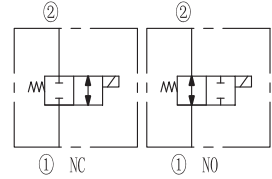
Spool type Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	17L/min
Max. working pressure	210bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE08
Installation torque	30-32Nm
Coil series	C013.XX.XX.FX

Maximale Durchflussmenge	17L/min
Maximaler Betriebsdruck	210bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE08
Einbau-Drehmoment	30-32Nm
Spule	C013.XX.XX.FX



ORDERING CODE Bestellcode

S V	2 5	S 0 8	1	0	0	0 B
------------	------------	--------------	----------	----------	----------	------------

Cavity
Hohlraum
S08 = SAE08

Symbol
Symbol
1 = NO normal open
2 = NO normal closed

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

SV25H

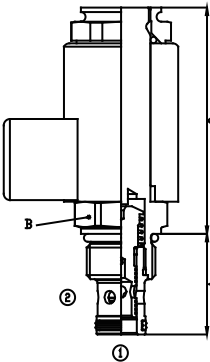
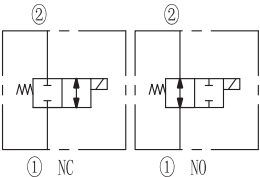
Spool type Schieberventil

TECHNICAL DATA

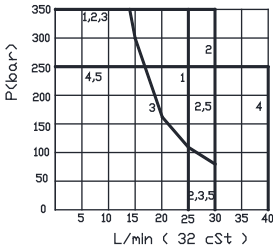
Technische Parameter

Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Coil series C019.XX.XX.AX

Temperaturbereich
Empfohlene Ölsauberkeit
Spule

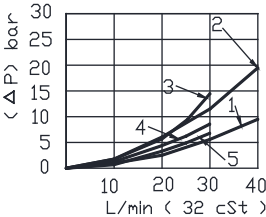


Working pressure Betriebsdruck	Maxflow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
350bar	30 L/min	SV25H.S08	SAE08	27.6	24H	70	30-32Nm
250bar	40 L/min	SV25H.S10	SAE10	31.4	27H	70.5	35-40Nm



SV25H.S08

MODEL	DIRECTION
1 08-M-NC	2→1
2 08-M-NC	1→2
2 08-M-NO	2→1
3 08-M-NO	1→2
4 10-M-NO	2→1
5 10-M-NC	2→1



SV25H.S10

MODEL	DIRECTION
1 10-M-NO	2→1
2 10-M-NC	2→1
3 08-M-NC	1→2
3 08-M-NC	2→1
4 08-M-NO	1→2
5 08-M-NC	2→1

ORDERING CODE Bestellcode

SV25H

S08

1

0

0

0B

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10

Symbol
Symbol
1 = NO normal open
2 = NO normal closed

Manual Override
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

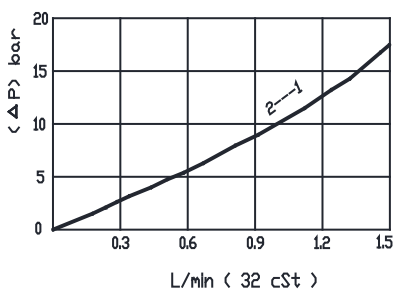
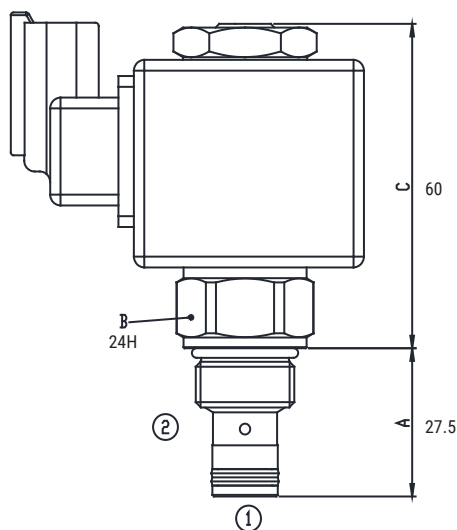
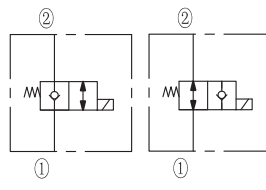
SV26.S08

Direct acting, Poppet type Direkt wirkendes, Poppet-Typ Sitzventil

TECHNICAL DATA

Technische Parameter

Max. flow	1.5L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Temperature range	-30 °C to +80 °C (Buna N)	Temperaturbereich
Recommended oil cleanliness	ISO 17/15/13	Empfohlene Ölsauberkeit
Cavity	SAE08	Hohlraum
Installation torque	39-51Nm	Einbau-Drehmoment
Coil series	C013.XX.XX.RX	Spule



ORDERING CODE Bestellcode

SV26	.	S08	.	1	.	0	.	0	.	0B
		Cavity Hohlraum S08 = SAE08		Symbol Symbol 1 = NO normal open 2 = NC normal closed				Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

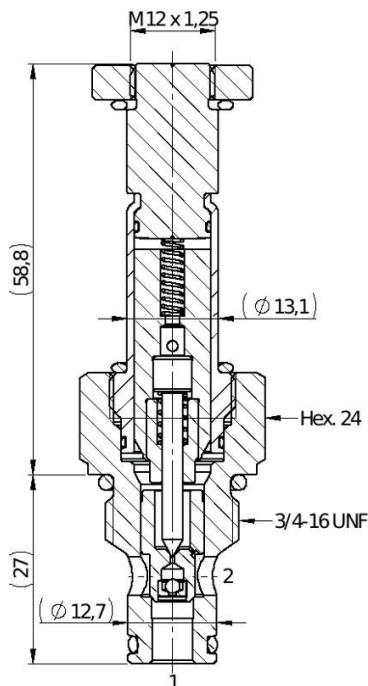
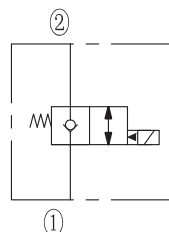
SV21.S08

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

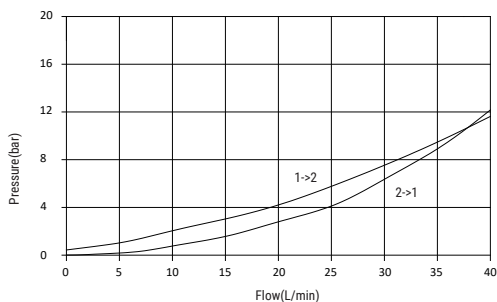
TECHNICAL DATA

Technische Parameter

Max. flow	40 L/min	Maximale Durchflussmenge
Max. working pressure	350 bar	Maximaler Betriebsdruck
Max. internal leakage	0,25 cc/min @ 350 bar	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE08	Hohlraum
Installation torque	40-45 Nm	Einbau-Drehmoment
Coil	18 W (more details see C013.**.18.0*)	Spule
Weight	0,110 kg	Gewicht



p/Q performance



ORDERING CODE Bestellcode

SV21 . S08 . 1 . 0 . 0 . 0B

Cavity
Hohlraum
S08 = SAE08

Symbol
Symbol
1 = 5 =
2 = 6 =

Manual Reset
Manuelles Zurücksetzen
0 = Without override
3 = With override, push knob

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

SV21.S10

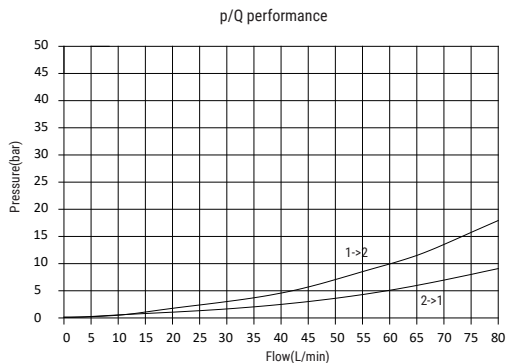
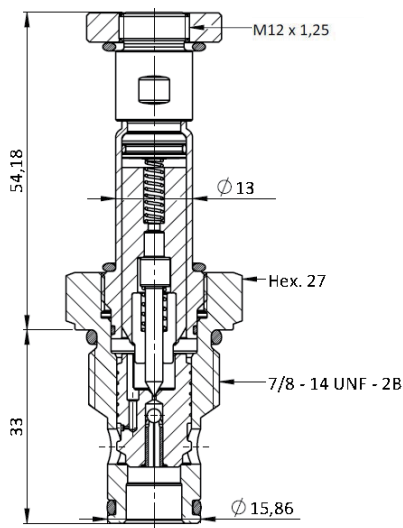
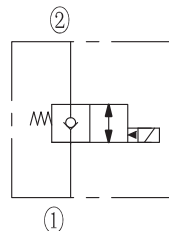
Pilot acting. Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

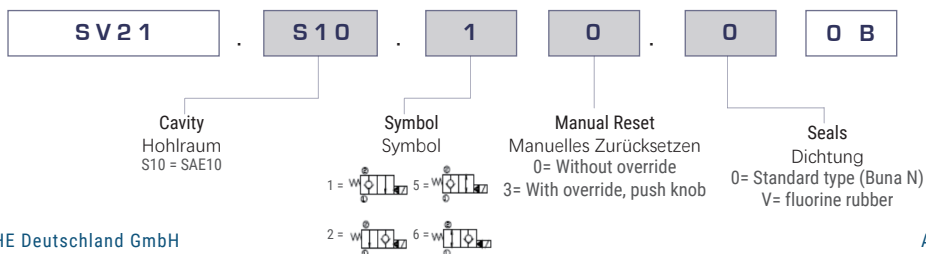
Technische Parameter

Max. flow	80L/min
Max. working pressure	350bar
Max. internal leakage	0,25 cc / min @ 350 bar
Version	Poppet type-Direct acting
Cavity	SAE10
Installation torque	65-75Nm
Coil	18W (more details see C013.**.18.0*)
Weight	0.139kg

Maximale Durchflussmenge	80L/min
Maximaler Betriebsdruck	350bar
Maximale interne Leckage	0,25 cc / min @ 350 bar
Version	Poppet type-Direct acting
Hohlraum	SAE10
Einbau-Drehmoment	65-75Nm
Spule	18W (more details see C013.**.18.0*)
Gewicht	0.139kg



ORDERING CODE Bestellcode



SV21.S12

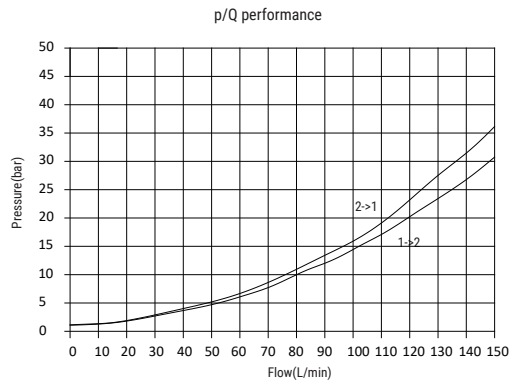
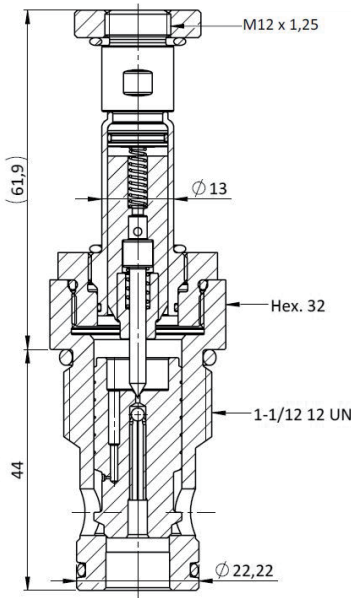
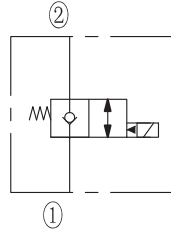
Pilot acting. Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

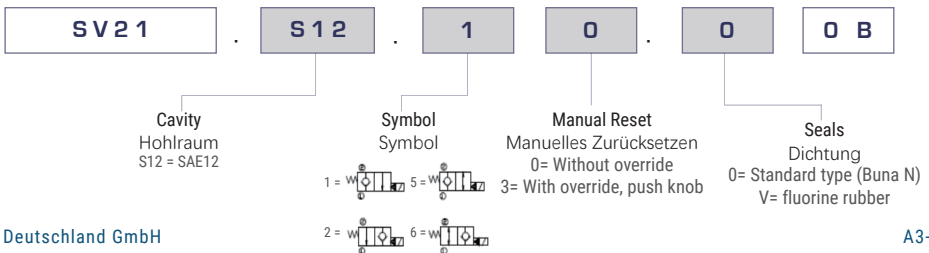
Technische Parameter

Max. flow	150L/min
Max. working pressure	350bar
Max. internal leakage	0,25 cc / min @ 350 bar
Version	Poppet type-Direct acting
Cavity	SAE12
Installation torque	85-95Nm
Coil	22W(more details see C013.24.22)
Weight	0,254kg

Maximale Durchflussmenge	150L/min
Maximaler Betriebsdruck	350bar
Maximale interne Leckage	0,25 cc / min @ 350 bar
Version	Poppet type-Direct acting
Hohlraum	SAE12
Einbau-Drehmoment	85-95Nm
Spule	22W(more details see C013.24.22)
Gewicht	0,254kg



ORDERING CODE Bestellcode



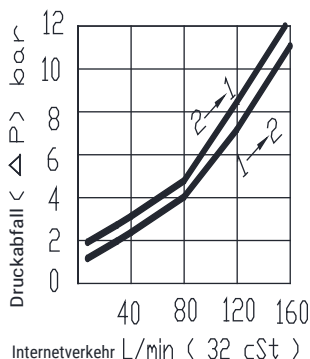
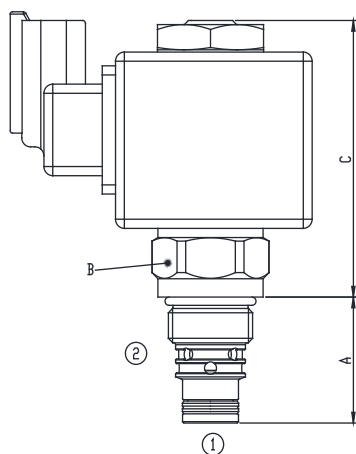
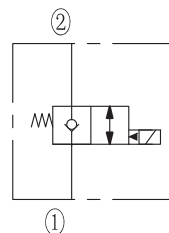
SV21.S16

Pilot acting. Poppet type Pilot agiert, Poppet-Typ Sitzventil

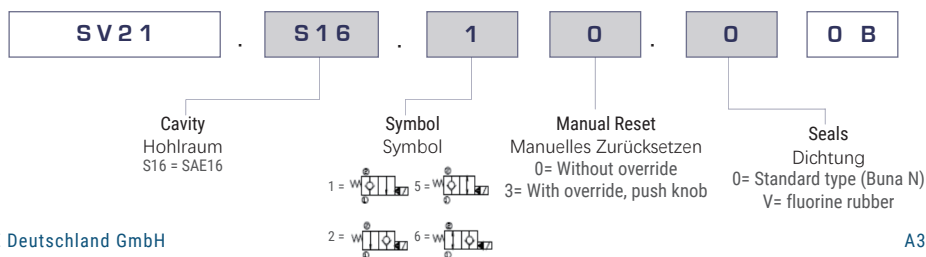
TECHNICAL DATA

Technische Parameter

Max. flow	40L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max. internal leakage	0,25 cc / min @ 350 bar	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE16	Hohlraum
Installation torque	90-100Nm	Einbau-Drehmoment
Coil	22W(more details see C013.**.22.0*)	Spule
Weight	0,254kg	Gewicht



ORDERING CODE Bestellcode



SV21S

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

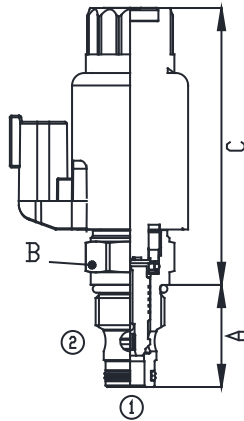
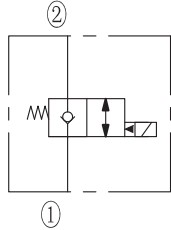
TECHNICAL DATA

Technische Parameter

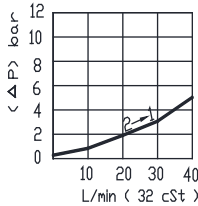
Max. working pressure
Temperature range
Recommended oil cleanliness
Coil series

350bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13
C019.XX.XX.BX

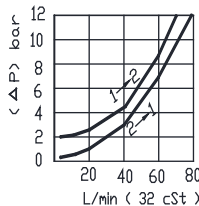
Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



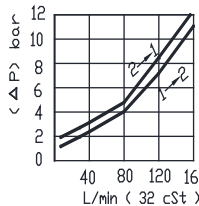
Max. flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
40 L/min	SV21S.S08	SAE08	28	24H	82	39-51Nm
70 L/min	SV21S.S10	SAE10	32.2	25.4H	82	44-56Nm
150 L/min	SV21S.S12	SAE12	45	32H	82	60-65Nm
150 L/min	SV21S.S16	SAE16	45	38H	82	90-100Nm



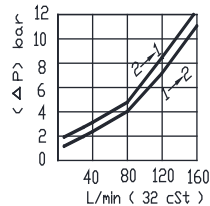
SV21S.S08



SV21S.S10



SV21S.S12



SV21S.S16

ORDERING CODE Bestellcode

SV21S . **S08** . **1** . **0** . **0** . **0B**

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Symbol
Symbol
1 =  5 = 
2 =  6 = 

Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

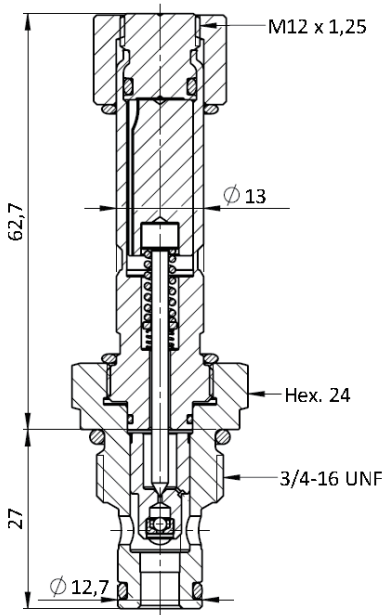
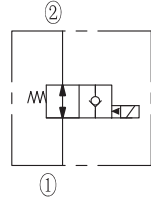
SV22.S08

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

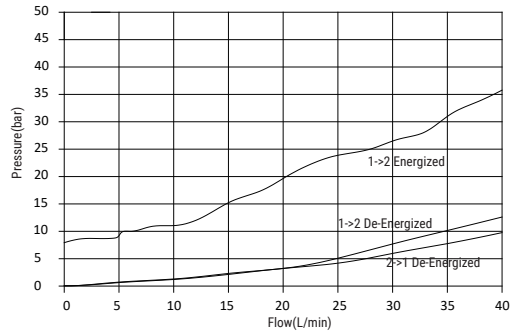
TECHNICAL DATA

Technische Parameter

Max. flow	40L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max. internal leakage	0,25 cc/min @ 350 bar	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE08	Hohlraum
Installation torque	40-45Nm	Einbau-Drehmoment
Coil	18W (more details see C013.**.18.0*)	Spule
Weight	0,130kg	Gewicht



p/Q performance



ORDERING CODE Bestellcode

SV22 . **S08** . **0** . **0** . **0** . **0 B**

Cavity
Hohlraum
S08 = SAE08

Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV22.S10

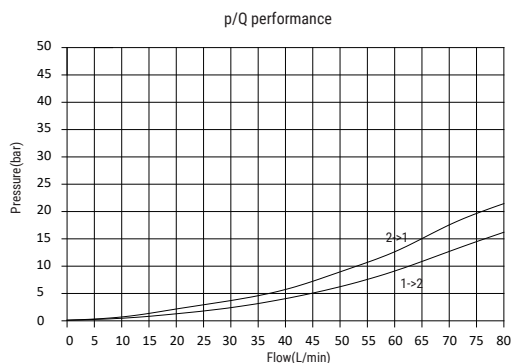
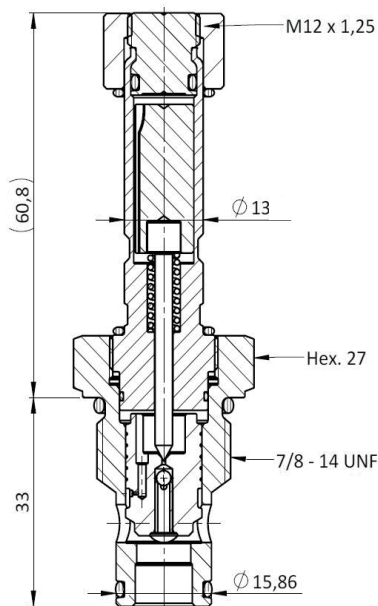
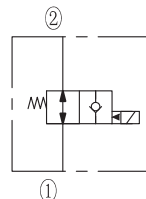
CARTRIDGE TYPE Kartuschenentyp

TECHNICAL DATA

Technische Parameter

Max. flow	80L/min
Max. working pressure	350bar
Body Material	Zn/Fe-standard(96h)
Version	Poppet type-Direct acting
Cavity	SAE10
Installation torque	65-75Nm
Coil	22W(more details see C013.24.22)
Weight	0,164kg

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Maximale interne Leckage	
Version	
Hohlraum	
Einbau-Drehmoment	
Spule	
Gewicht	



ORDERING CODE Bestellcode

SV22	.	S10	.	0	.	0	.	0	.	0 B
		Cavity Hohlraum S10 = SAE10			Manual Reset Manuelles Zurücksetzen 0= Without override 3= With override, push knob			Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

SV27

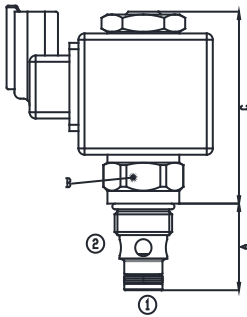
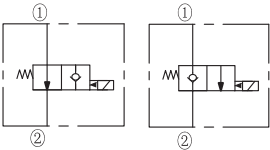
Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

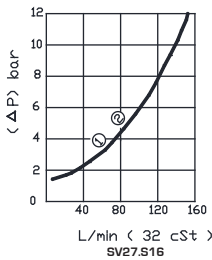
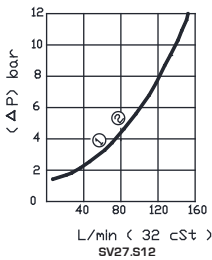
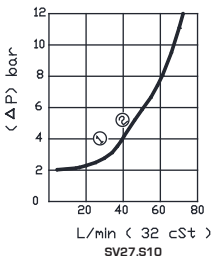
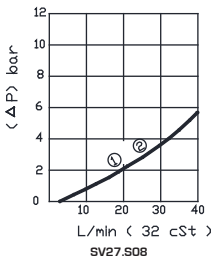
Technische Parameter

Max. working pressure 350bar
Temperature range -30 C to +80 C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Coil series C013.XX.XX.RX

Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
40 L/min	SV27S.S08	SAE08	28	24H	82	39-51Nm
70 L/min	SV27S.S10	SAE10	32.2	25.4H	82	44-56Nm
150 L/min	SV27S.S12	SAE12	45	32H	82	60-65Nm
150 L/min	SV27S.S16	SAE16	45	38H	82	90-100Nm



ORDERING CODE Bestellcode

SV27 . S08 . 1 . 0 . 0 . 0B

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Symbol
Symbol
1 =
2 =
5 =
6 =

Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV27S

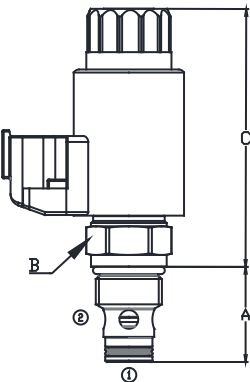
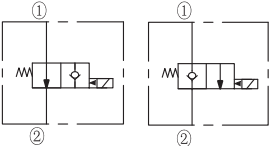
Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

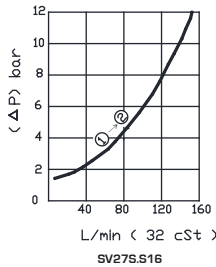
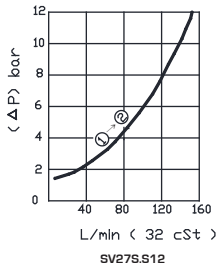
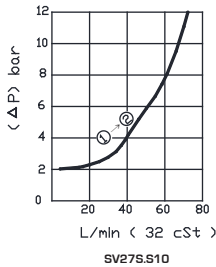
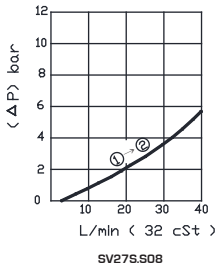
Technische Parameter

Max. working pressure 350 bar
Temperature range -30 C to +80 C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Coil series C019.XX.XX.BX

Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



Max flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
40 L/min	SV27S.S08	SAE08	28	24H	82	39-51Nm
70 L/min	SV27S.S10	SAE10	32.2	25.4H	82	44-56Nm
150 L/min	SV27S.S12	SAE12	45	32H	82	60-65Nm
150 L/min	SV27S.S16	SAE16	45	38H	82	90-100Nm



ORDERING CODE Bestellcode

SV27S . S08 . 1 . 0 . 0 . 0B

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Symbol
Symbol
1 =
2 =
5 =
6 =

Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV28.13A

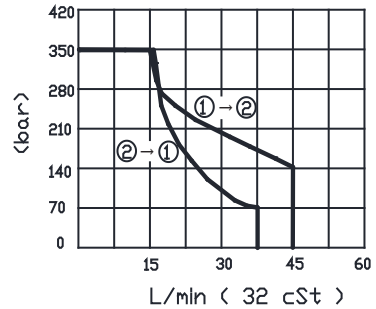
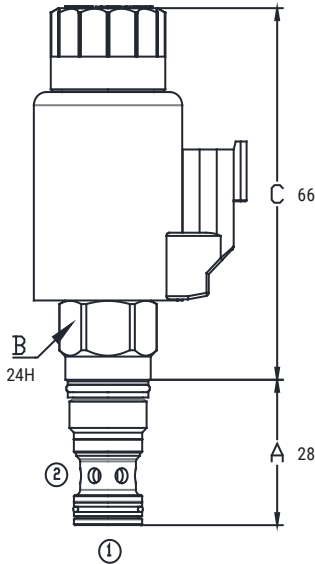
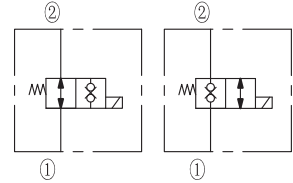
Direct acting, Poppet type Direkt wirkendes, Poppet-Typ Sitzventil

TECHNICAL DATA

Technische Parameter

Max. flow	40L/min
Max. working pressure	350bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	T-13A
Installation torque	39-51Nm
Coil series	C019.XX.XX.BX

Maximale Durchflussmenge	40L/min
Maximaler Betriebsdruck	350bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	T-13A
Einbau-Drehmoment	39-51Nm
Spule	C019.XX.XX.BX



ORDERING CODE Bestellcode

SV28	13A	1	0	0	0B
Cavity Hohlraum 13A = T-13A	Symbol Symbol 1 = NO normal open 2 = NC normal closed	Manual Rset Manuelles Zurücksetzen 0= Without override 3= With override, push knob		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

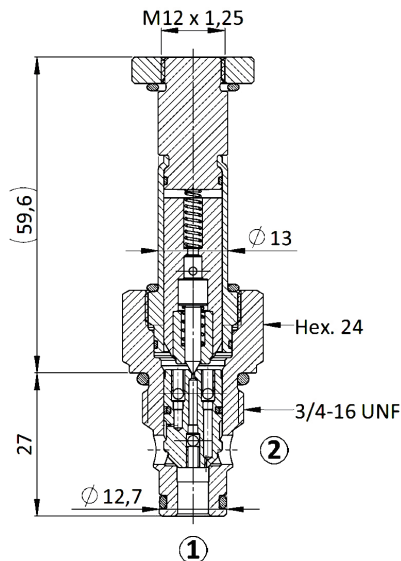
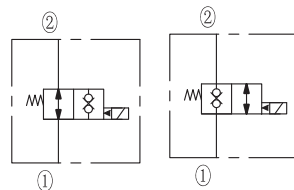
SV23.S08

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

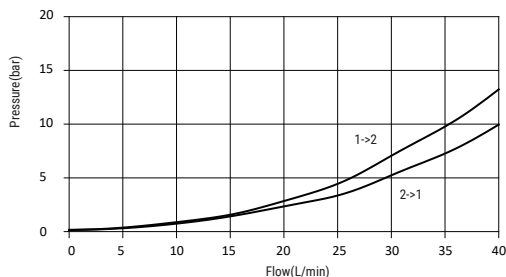
TECHNICAL DATA

Technische Parameter

Max. flow	40L/min	Maximale Durchflussmenge
Max. working pressure	350bar	Maximaler Betriebsdruck
Max. internal leakage	0,25 cc/min @ 350 bar	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE08	Hohlraum
Installation torque	39-51 Nm	Einbau-Drehmoment
Coil	18W (more details see C013.**.18.0*)	Spule
Weight	0,120kg	Gewicht



p/Q performance



ORDERING CODE Bestellcode

SV23	S08	1	0	0	0 B
Cavity Hohlraum S08 = SAE08	Symbol Symbol 1 = NO normal open 2 = NC normal closure	Manual Reset Manuelles Zurücksetzen 0 = Without override 1 = With override, push knob	Seals Dichtung 0 = Standard type (Buna N) V = fluorine rubber		

SV23

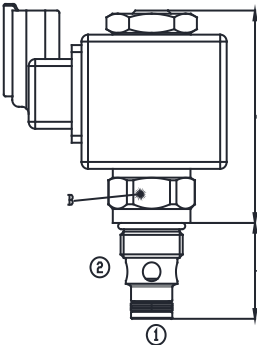
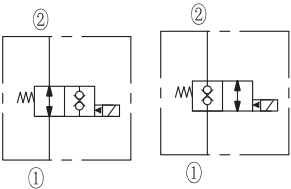
Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

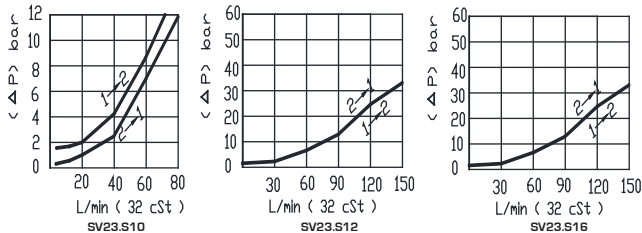
Technische Parameter

Max. working pressure 350bar
Temperature range -30 °C to +60 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Coil series C013.XX.XX.RX

Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



Max flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
70 L/min	SV23.S10	SAE10	32.2	25.4H	67	44-56Nm
150 L/min	SV23.S12	SAE12	45	32H	61	60-65Nm
150 L/min	SV23.S16	SAE16	45	38H	60	90-100Nm



ORDERING CODE Bestellcode

SV 23

S 1 0

1

0

0

0 B

Cavity
Hohlraum
S10 = SAE10
S12 = SAE12
S16 = SAE16

Symbol
Symbol
1 = NO normal open
2 = NO normal closure

Manual Reset
Manuelles Zurücksetzen
0= Without override
1= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV23S

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

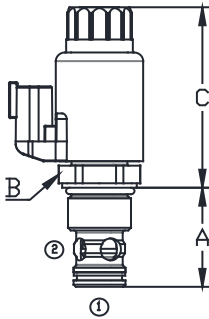
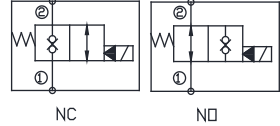
TECHNICAL DATA

Technische Parameter

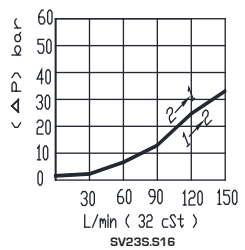
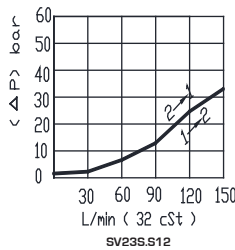
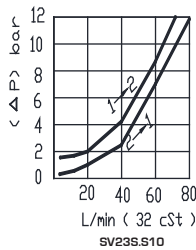
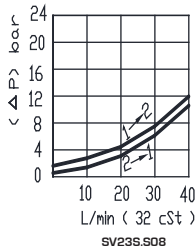
Max. working pressure
Temperature range
Recommended oil cleanliness
Coil series

350bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13
C019.XX.XX.BX

Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



Max flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
40 L/min	SV23S.S08	SAE08	28	24H	82	39-51Nm
70 L/min	SV23S.S10	SAE10	32.2	25.4H	82	44-56Nm
150 L/min	SV23S.S12	SAE12	45	32H	82	60-65Nm
150 L/min	SV23S.S16	SAE16	45	38H	82	90-100Nm



ORDERING CODE Bestellcode

SV23S	.	S08	.	1	.	0	.	0	.	0B
Cavity Hohlraum S08 = SAE08 S10 = SAE10 S12 = SAE12 S16 = SAE16		Symbol Symbol 1 = NO normal open 2 = NO normal closed		Manual Reset Manuelles Zurücksetzen 0= Without override 1= With override, push knob		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber				

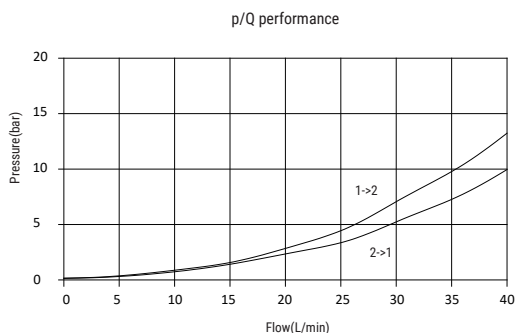
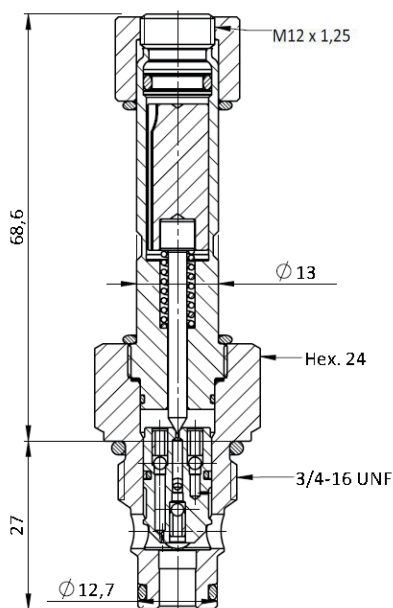
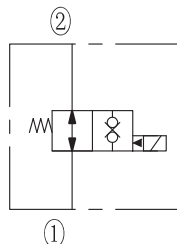
SV24.S08

Pilot acting, Poppet type Pilot agiert, Poppet-Typ Sitzventil

TECHNICAL DATA

Technische Parameter

Max. flow	40 L/min	Maximale Durchflussmenge
Max. working pressure	350 bar	Maximaler Betriebsdruck
Max. internal leakage	0,25 cc/min @ 350 bar	Maximale interne Leckage
Version	Poppet type-Direct acting	Version
Cavity	SAE08	Hohlraum
Installation torque	40-45 Nm	Einbau-Drehmoment
Coil	18 W (more details see C013.**.18.0*)	Spule
Weight	0,148 kg	Gewicht



ORDERING CODE Bestellcode



Cavity
Hohlraum
S08 = SAE08

Manual Reset
Manuelles Zurücksetzen
0 = Without override
3 = With override, push knob

Seals
Dichtung
0 = Standard type (Buna N)
V = fluorine rubber

SV31.S08

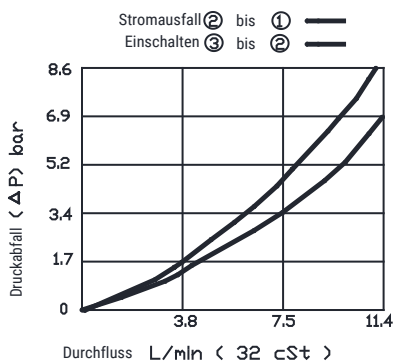
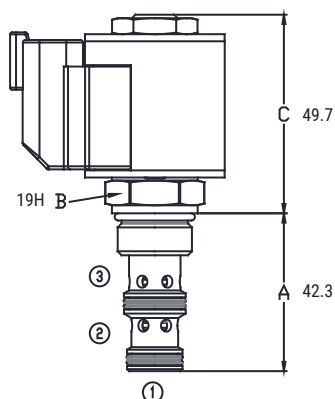
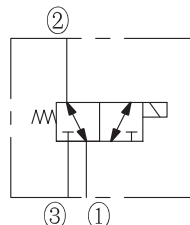
Spool type Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	15L/min
Max. working pressure	210bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE08-2
Installation torque	30-32Nm
Coil series	C013.XX.20.FX

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Temperaturbereich	
Empfohlene Ölsauberkeit	
Hohlraum	
Einbau-Drehmoment	
Spule	



ORDERING CODE Bestellcode

SV31	.	S08	.	1	.	0	.	0	.	0B
------	---	-----	---	---	---	---	---	---	---	----

Cavity
Hohlraum
S08 = SAE08-2

Symbol
Symbol

1 =



2 =



Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV31H

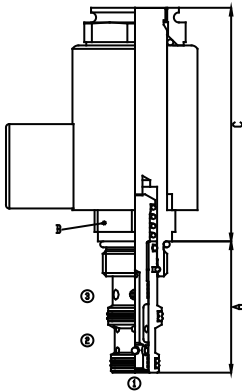
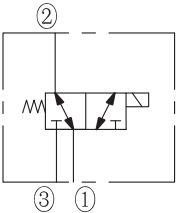
Spool type Schieberventil

TECHNICAL DATA

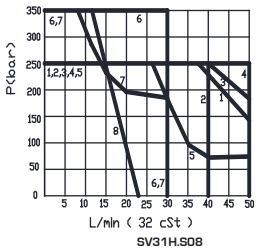
Technische Parameter

Max. working pressure 350bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Coil series C019.XX.XX.AX

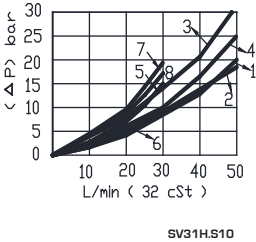
Maximale Durchflussmenge
Temperaturbereich
Empfohlene Ölsauberkeit
Spule



Max. flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
30 L/min	SV31H.S08	SAE08-2	39.5	24H	70	30-32Nm
50 L/min	SV31H.S10	SAE10-2	45.9	27H	70.5	35-40Nm



MODEL	DIRECTION
1 10-M-	3→2
2 10-M-1/3	2→1
3 10-M-2	3→2
4 10-M-2	2→1
5 10-M-3	3→2
6 08-M-1/2	3→2, 2→1
7 08-M-4	3→1
8 08-M-3	3→2, 2→1
8 08-M-4	2→1



MODEL	DIRECTION
1 10-M-1/3	2→1
1 10-M-3	3→2
2 10-M-1	3→2
3 10-M-2	3→2
4 10-M-2	2→1
5 08-M-1/2	3→2
5 08-M-4	2→1
6 08-M-1	2→1
7 08-M-3	3→2
8 08-M-2/3	2→1
8 08-M-4	2→1

ORDERING CODE Bestellcode

SV31H . S08 . 1 . 0 . 0 . 0B

Cavity
Hohlraum
S08 = SAE08-2
S10 = SAE10-2

Symbol
Symbol
1 =
2 =
3 =
4 =

Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV34.S10

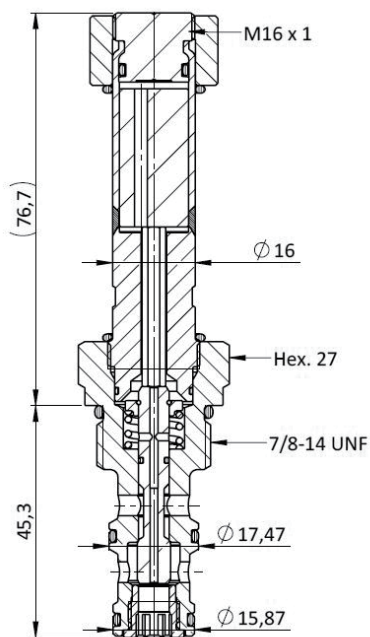
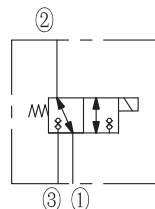
CARTRIDGE TYPE Patronenventil

TECHNICAL DATA

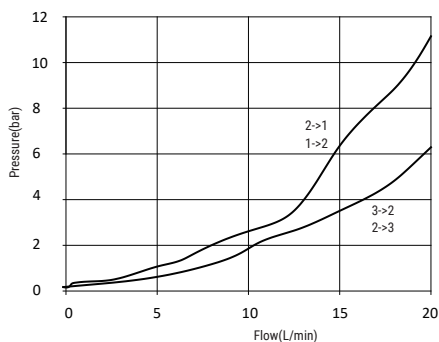
Technische Parameter

Max. flow	20 L/min
Max. working pressure	250 bar
Max. internal leakage	0,25 cc/min @ 350 bar
Cavity	SAE10-2
Installation torque	35-40 Nm
Coil	26W (more details see C016.**.26.0*)
Weight	0,231 kg

Maximale Durchflussmenge	
Maximaler Betriebsdruck	
Maximale interne Leckage	
Hohlraum	
Einbau-Drehmoment	
Spule	
Gewicht	



p/Q performance



ORDERING CODE Bestellcode

SV34	S10	0	0	0	00
Cavity Hohlraum S10 = SAE10-2		Manual Reset Manuelles Zurücksetzen 0= Without override 3= With override, push knob		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

SV42.S08

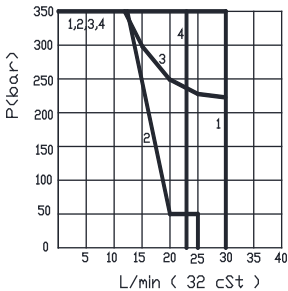
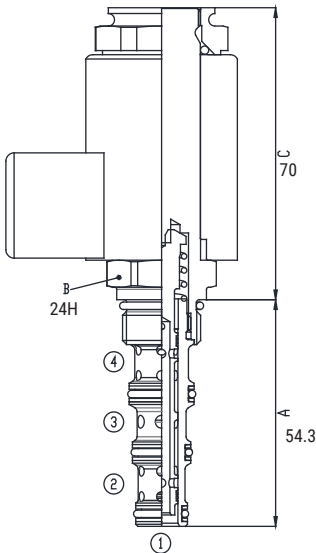
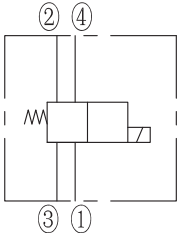
Spool type Schieberventil

TECHNICAL DATA

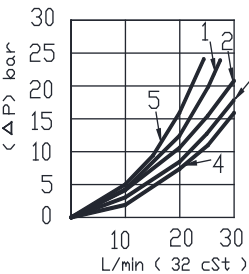
Technische Parameter

Max. flow 30L/min
Max. working pressure 350bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Cavity SAE08-3
Installation torque 30-32Nm
Coil series C019.XX.XX.AX

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment
Spule



MODEL	DIRECTION
1 08-✕-C	3→4,2→1
2 08-✕-C	3→2,4→1
3 08-✕-D	3→4,2→1
4 08-✕-D	3→2,4→1

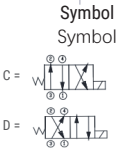


MODEL	DIRECTION
1 08-✕-C	2→1
2 08-✕-C	3→2
2 08-✕-D	3→4,4→1
3 08-✕-C	3→4
4 08-✕-D	3→2,2→1
5 08-✕-C	4→1

ORDERING CODE Bestellcode

SV42 . S08 . C . O . O . OB

Cavity
Hohlraum
S08 = SAE08-3



Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push knob

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV42.S10

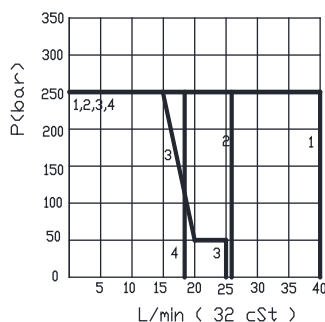
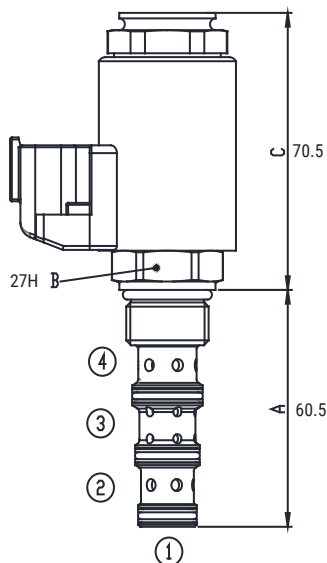
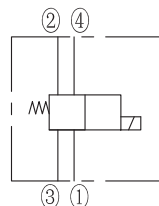
Spool type Schieberventil

TECHNICAL DATA

Technische Parameter

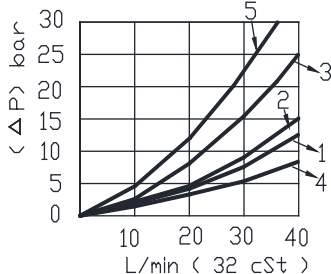
Max. flow 40L/min
 Max. working pressure 250bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13
 Cavity SAE10-3
 Installation torque 35-40Nm
 Coil series C019.XX.27.AX

Maximale Durchflussmenge
 Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit
 Hohlraum
 Einbau-Drehmoment
 Spule



Öltemperatur: 80 °C
 Umgebungstemperatur: 50 °C
 Spannung: -10%

MODEL	DIRECTION
1 10-✱-D	3→4,2→1
1 10-✱-C	3→4,2→1
2 10-✱-D	3→2,4→1
3 10-✱-C	3→2,4→1
4 10-✱-D	3→1



MODEL	DIRECTION
1 10-✱-D	2→1
2 10-✱-D	3→4,3→2
3 10-✱-D	4→1
3 10-✱-C	3→4
3 10-✱-D	3→4,2→1
4 10-✱-D	3→1
5 10-✱-C	4→1

ORDERING CODE Bestellcode

SV42 . S10 . 0 . 0 . 0 . 0B

Cavity
 Hohlraum
 S10 = SAE10-3

Symbol
 Symbol
 C =
 D =
 M =

Manual Reset
 Manuelles Zurücksetzen
 0= Without override
 3= With override, push knob

Seals
 Dichtung
 0= Standard type (Buna N)
 V= fluorine rubber

SV43.S10

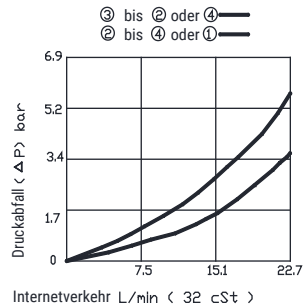
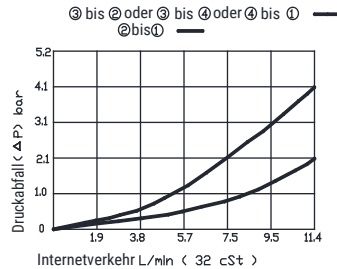
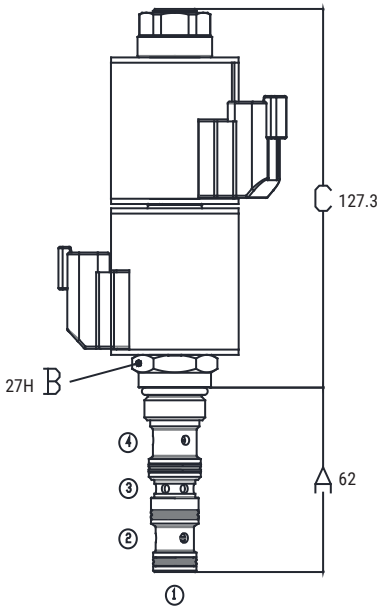
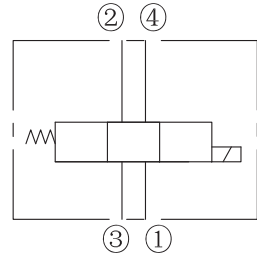
Spool type Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow	22L/min
Max. working pressure	210bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10-3
Installation torque	45-50Nm
Coil series	C016.XX.20.FX

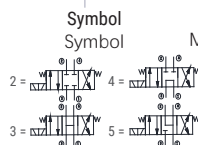
Maximale Durchflussmenge	22L/min
Maximaler Betriebsdruck	210bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE10-3
Einbau-Drehmoment	45-50Nm
Spule	C016.XX.20.FX



ORDERING CODE Bestellcode

SV43	.	S10	.	1	.	0	.	0	.	0B
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Cavity
Hohlraum
S10 = SAE10-3



Manual Reset
Manuelles Zurücksetzen
0= Without override
3= With override, push

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

SV53.S08

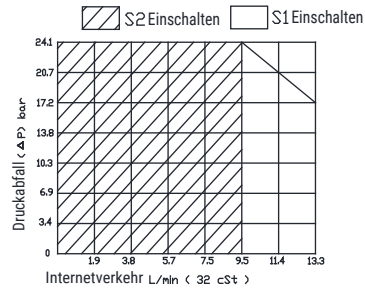
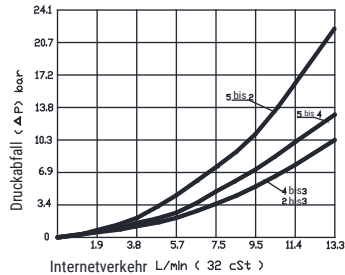
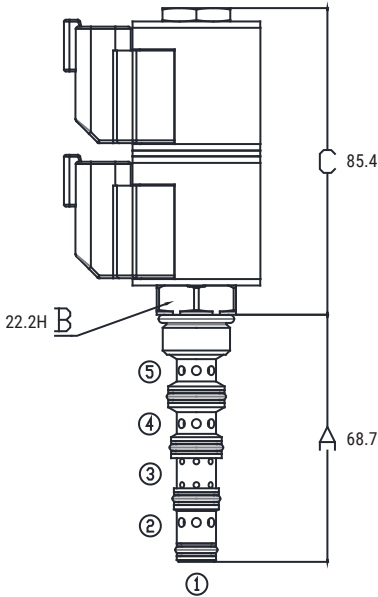
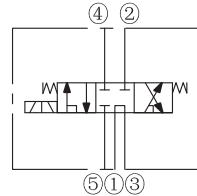
Spool type Schieberventil

TECHNICAL DATA

Technische Parameter

Max. flow 11L/min
 Max. working pressure 210bar
 Temperature range -30 °C to +80 °C (Buna N)
 Recommended oil cleanliness ISO 17/15/13
 Cavity SAE08-4
 Installation torque 26-29Nm
 Coil series C013.XX.20.RX

Maximale Durchflussmenge
 Maximaler Betriebsdruck
 Temperaturbereich
 Empfohlene Ölsauberkeit
 Hohlraum
 Einbau-Drehmoment
 Spule



ORDERING CODE Bestellcode

SV53 . **S08** . **C** . **0** . **0** . **0B**

Cavity
 Hohlraum
 S08 = SAE08-4

Symbol
 Symbol
 c =

Manual Reset
 Manuelles Zurücksetzen
 0= Without override
 3= With override, push

Seals
 Dichtung
 0= Standard type (Buna N)
 V= fluorine rubber

NV01

Adjustable flow restrictor valve, Poppet type Einstellbares Drosselventil, Kegel-Sitzventil

TECHNICAL DATA

Technische Parameter

Max. working pressure

350bar

Temperature range

-30 °C to +80 °C (Buna N)

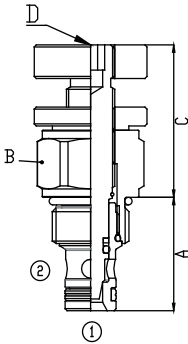
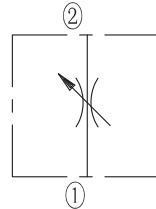
Recommended oil cleanliness

ISO 17/15/13

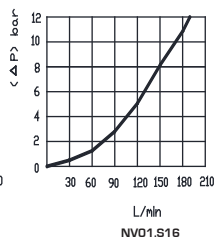
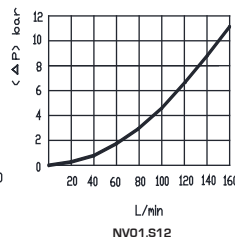
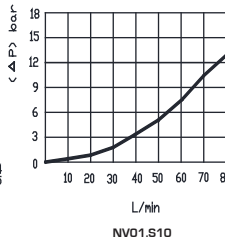
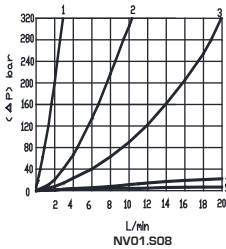
Maximaler Betriebsdruck

Temperaturbereich

Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	D	Installation torque Einbau- Drehmoment
20 L/min	NV01.S08	SAE08	27.0	24.0	26.3	6.0H	30-32Nm
50 l/min	NV01.S10	SAE10	32.3	25.4	47.0	4.0H	40-45Nm
126 L/min	NV01.S12	SAE12	45.1	32.0	41.0	4.0H	99-104Nm
150 L/min	NV01.S16	SAE16	45.0	38.0	40.0	4.0H	133-138Nm



ORDERING CODE Bestellcode

NV01 . **S08** . **0** **0** . **0** **0B**

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Regulator type
Typ des Reglers
0= Hex socket
1= Hand wheel

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

NV01.M12

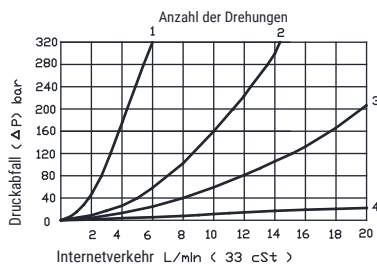
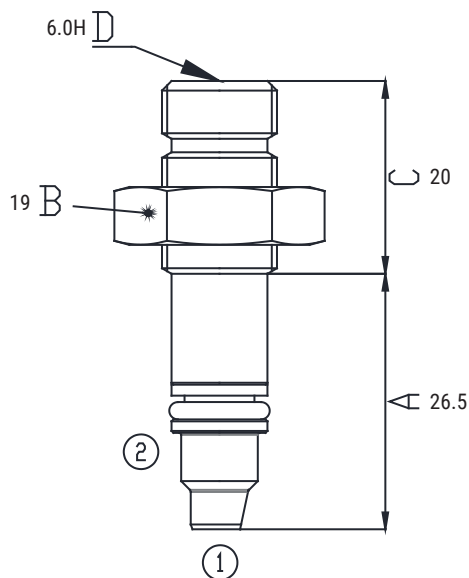
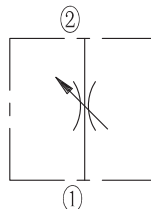
Adjustable flow restrictor valve, Poppet type Einstellbares Drosselventil, Kegel-Sitzventil

TECHNICAL DATA

Technische Parameter

Max. flow	20L/min
Max. working pressure	320bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	CL-M12
Installation torque	12-14Nm
Coil series	C013.XX.XX.RX

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment
Spule



ORDERING CODE Bestellcode

NV01	M12	0	0	0	0B
	Cavity Hohlraum M12 = CL-M12	Regulator type Typ des Reglers 0= Hex socket 1= Hand wheel		Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber	

FC01

Adjustable flow restrictor valve, Poppet type with unidirectional conduction
Einstellbares Drosselventil, Poppetspule mit Anti-Kavitation

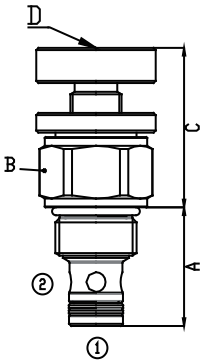
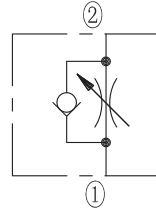
TECHNICAL DATA

Technische Parameter

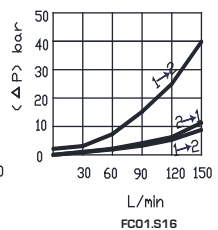
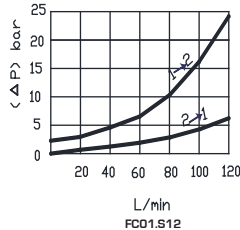
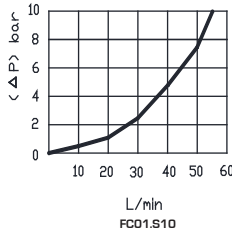
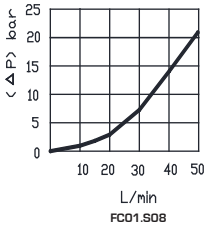
Max. working pressure
Temperature range
Recommended oil cleanliness

350bar
-30 °C to +80 °C (Buna N)
ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max flow Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	D	Installation torque Einbau- Drehmoment
35 L/min	FC01.S08	SAE08	27.6	24.0	40.0	4.0H	30-32Nm
45 L/min	FC01.S10	SAE10	32.0	25.4	41.0	4.0H	40-45Nm
120 L/min	FC01.S12	SAE12	45.1	32.0	35.0	4.0H	99-104Nm
150 L/min	FC01.S16	SAE16	45.0	38.0	34.0	4.0H	133-138Nm



ORDERING CODE Bestellcode

FC01 . **S08** . **0** . **0** . **0** . **0B**

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Regulator type
Typ des Reglers
0= Hex socket
1= Hand wheel

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

FC02

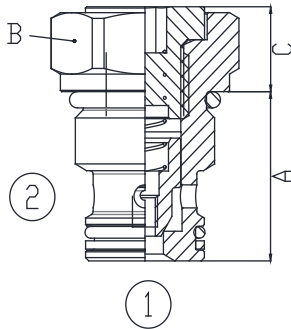
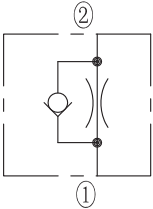
Fixed throttle hole with unidirectional conduction, Feste Düse, Mit Unidirektionaler Leitfähigkeit

TECHNICAL DATA

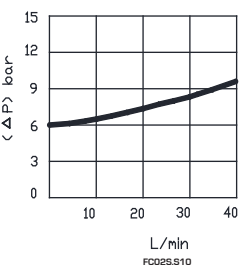
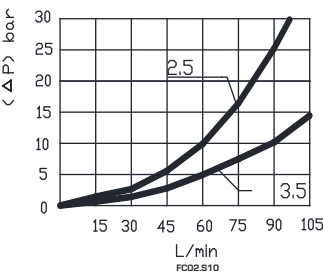
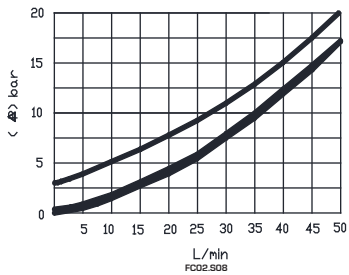
Technische Parameter

Max. working pressure 350bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
30 L/min	FC02.S08	SAE08	27.0	24.0	12.0	47-54Nm
60 L/min	FC02.S10	SAE10	32.3	25.4	22.2	40-45Nm
30 L/min	FC02S.S10	CL-010	25.7	27.0	12.9	55-65Nm



ORDERING CODE Bestellcode

FC02(S)

S08

06

0

OB

Cavity
Hohlraum
FC02.S08 = SAE08
FC02.S10 = SAE10
FC02S.S10 = CL-010

Orifice
Öffnung
06 = 0.6mm
08 = 0.8mm
10 = 1.0mm
12 = 1.2mm

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

FR01

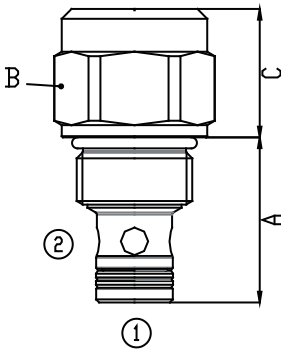
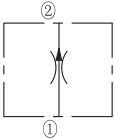
2-way pressure compensated flow control valve, Fixed throttle hole
2-Wege Druckausgleich Durchflussregelventil, Feste Düse

TECHNICAL DATA

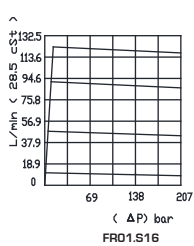
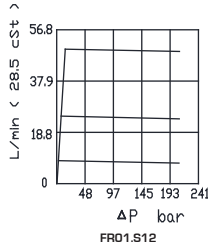
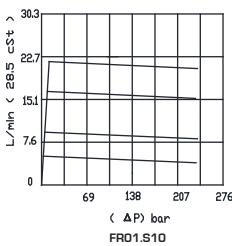
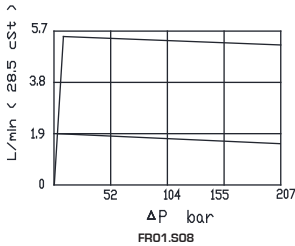
Technische Parameter

Max. working pressure 240bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13

Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit



Max flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
7.5 L/min	FR01.S08	SAE08	27.7	24.0	20.3	27-32Nm
23 L/min	FR01.S10	SAE10	32.4	25.4	20.3	32-36Nm
56 L/min	FR01.S12	SAE12	46.0	31.8	26.4	38-42Nm
113 L/min	FR01.S16	SAE16	44.5	38.1	33.4	66-70Nm



ORDERING CODE Bestellcode

FR01

S08

06

0

OB

Cavity
Hohlraum
S08 = SAE08
S10 = SAE10
S12 = SAE12
S16 = SAE16

Orifice
Öffnung
55 = 5.5LPM
70 = 7.0LPM
80 = 8.0LPM

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

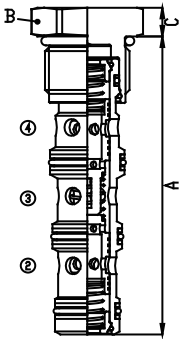
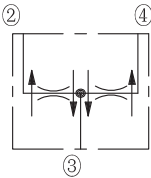
FD01

Flow divider-collector valve Trenner- /Kollektorventil

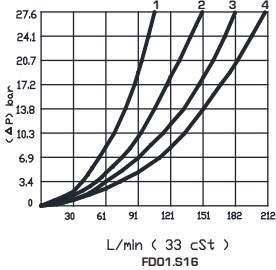
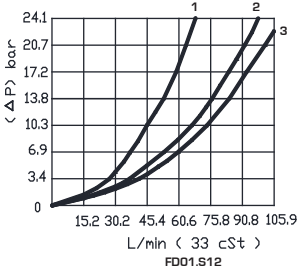
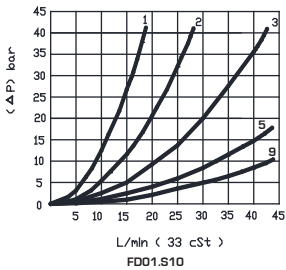
TECHNICAL DATA

Technische Parameter

Max. working pressure	350bar	Maximaler Betriebsdruck
Temperature range	-30 °C to +80 °C (Buna N)	Temperaturbereich
Recommended oil cleanliness	ISO 17/15/13	Empfohlene Ölsauberkeit



Max.flow Maximale Durchflussmenge	Model Modell	Cavity Hohlraum	A	B	C	Installation torque Einbau- Drehmoment
45 L/min	FD01.S10	SAE10-3	64.8	27.0H	12.5	65-71Nm
106 L/min	FD01.S12	SAE12-3	98.6	31.8H	9.5	99-104Nm
197 L/min	FD01.S16	SAE16-3	105.0	38.1H	12.6	133-138Nm



ORDERING CODE Bestellcode

FD01 . S10 . 0 . 0 . 0 . 0B

Cavity
Hohlraum
S10 = SAE10-3
S12 = SAE12-3
S16 = SAE16-3

Flow setting
Einstellung des Durchflusses
FD01.S10
1 = 1:1, 7.6 L/min
2 = 1:1, 15 L/min
3 = 1:1, 23 L/min
4 = 1:3, 34 L/min
5 = 1:1, 30 L/min
6 = 2:3, 38 L/min
7 = 2:1, 34 L/min
8 = 3:2, 38 L/min
9 = 1:1, 45 L/min
FD01.S12
1 = 1:1, 15-60 L/min
2 = 1:1, 23-90 L/min
3 = 1:1, 30-106 L/min
FD01.S16
1 = 1:1, 25-98 L/min
2 = 1:1, 32-128 L/min
3 = 1:1, 57-167 L/min
4 = 1:1, 68-197 L/min

Seals
Dichtung
0= Standard type (Buna N)
V= fluorine rubber

FR04.S10

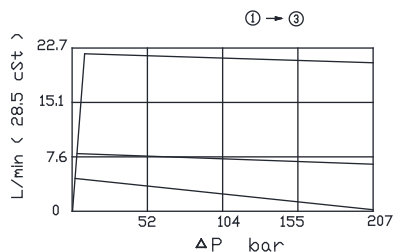
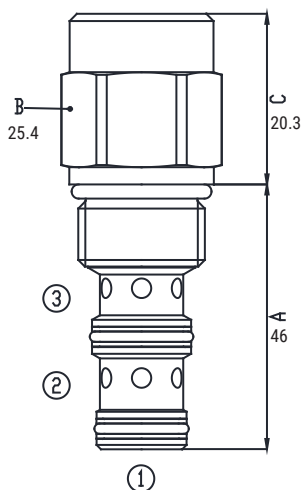
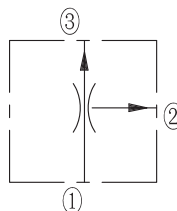
Priority flow control valve, 3-way, Fixed throttle hole
Durchfluss-Prioritätsventil , 3-Wege, Feste Düse

TECHNICAL DATA

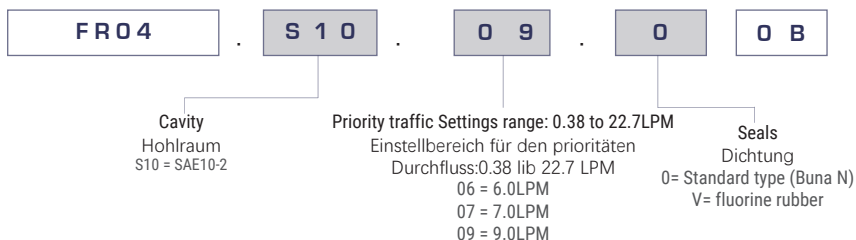
Technische Parameter

Max. flow	38L/min
Max. working pressure	210bar
Temperature range	-30 °C to +80 °C (Buna N)
Recommended oil cleanliness	ISO 17/15/13
Cavity	SAE10-2
Installation torque	33-37Nm

Maximale Durchflussmenge	38L/min
Maximaler Betriebsdruck	210bar
Temperaturbereich	-30 °C to +80 °C (Buna N)
Empfohlene Ölsauberkeit	ISO 17/15/13
Hohlraum	SAE10-2
Einbau-Drehmoment	33-37Nm



ORDERING CODE Bestellcode



FR03.S10

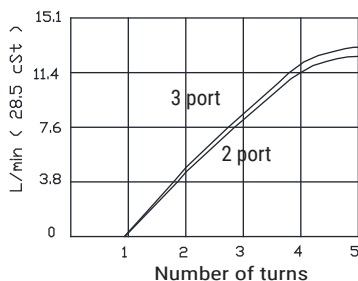
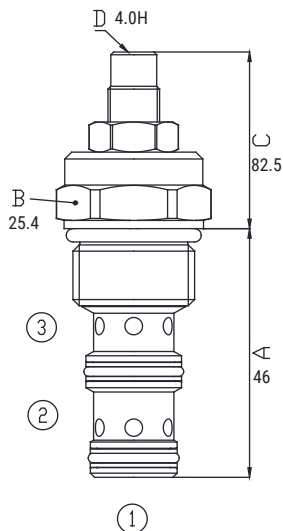
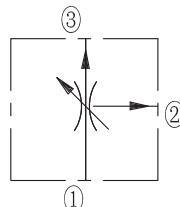
Priority flow control valve, 3-way, Pressure compensated flow control valve
Durchfluss-Prioritätsventil , 3-Wege Druckkompensiertes Durchflussventil

TECHNICAL DATA

Technische Parameter

Max. flow 38L/min
Max. working pressure 210bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Cavity SAE10-2
Installation torque 33-37Nm

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment



ORDERING CODE Bestellcode

FR03	.	S10	.	0	.	0	.	0	.	0B
		Cavity Hohlraum S10 = SAE10-2		Regulator type Typ des Reglers 0= Hex socket 1= Hand wheel				Seals Dichtung 0= Standard type (Buna N) V= fluorine rubber		

FR05.S10

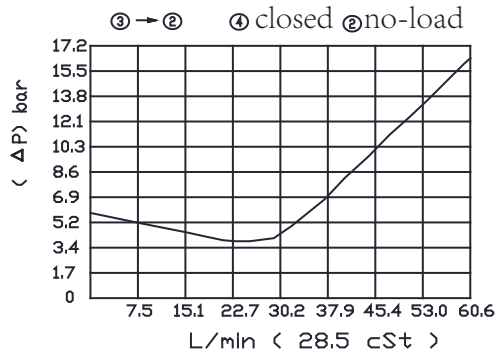
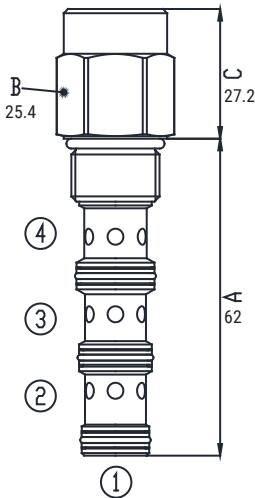
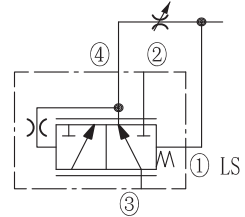
Priority flow control valve, 4-way, Load sensitive, Pressure compensated flow control valve
Durchfluss-Prioritätsventil ,4-Wege, Lastempfindlich, Druckkompensiertes Durchflussventil

TECHNICAL DATA

Technische Parameter

Max. flow 38L/min
Max. working pressure 350bar
Temperature range -30 °C to +80 °C (Buna N)
Recommended oil cleanliness ISO 17/15/13
Cavity SAE10-3
Installation torque 33-37Nm

Maximale Durchflussmenge
Maximaler Betriebsdruck
Temperaturbereich
Empfohlene Ölsauberkeit
Hohlraum
Einbau-Drehmoment



ORDERING CODE Bestellcode

FR05	.	S10	.	08	.	0	0B
		Cavity Hohlraum S10 = SAE10-3		Compensating pressure Ausgleichsdruck 08 = 80 psi (5.5 bar) 15 = 150 psi (10.3 bar)		Seals Dichtung 0 = Standard type (Buna N) V = fluorine rubber	

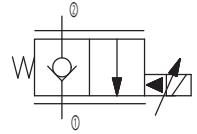
PSV21.S08.00.000

TECHNICAL DATA

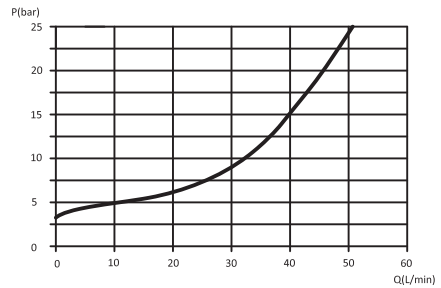
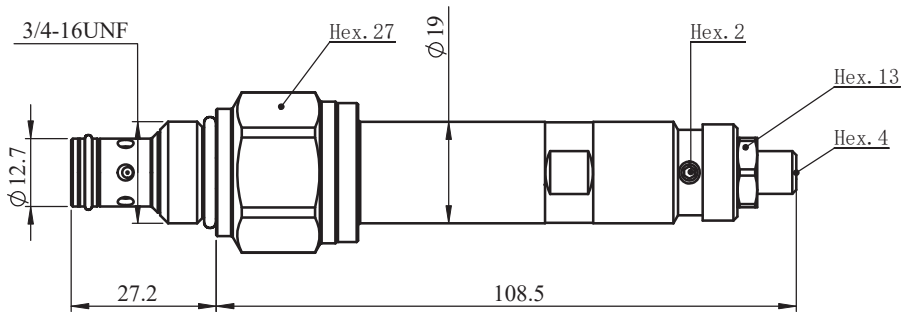
Technische Parameter

Rated flow 40LPM@14bar
 Rated working pressure 250bar
 Maximum internal discharge capacity 5 drops/min (Port 2 at 350 bar)
 Electrical parameters Minimum operating frequency of PWM signal: 70Hz;
 SAE08

Nenn-Durchflussmenge
 Nenn-Betriebsdruck
 Maximale interne Leckage
 Elektrische Parameter



Hohlraum



ORDERING CODE Bestellcode

PSV21 . S08 . 00 . 00 . 0

Voltage
 Spannung
 12 = 12VDC
 24 = 24VDC

Connector type
 Elektrischer Anschluss
 DG = DIN43650
 DR = Deutsch DT04-2P

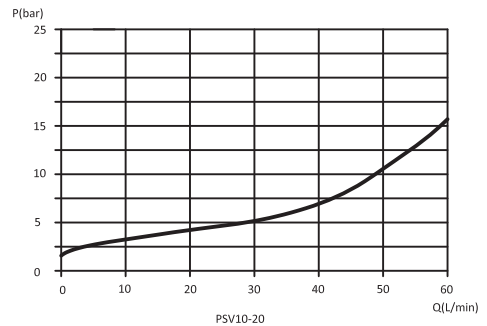
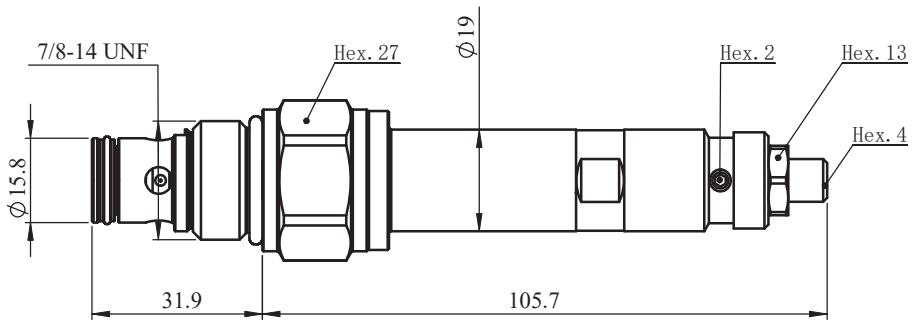
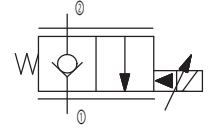
PSV21.S10.00.000

TECHNICAL DATA

Technische Parameter

Rated flow 60LPM@16bar
 Rated working pressure 250bar
 Maximum internal discharge capacity 5 drops/min (Port 2 at 350 bar)
 Electrical parameters Minimum operating frequency of PWM signal: 70Hz;
 SAE10

Nenn-Durchflussmenge
 Nenn-Betriebsdruck
 Maximale interne Leckage
 Elektrische Parameter



ORDERING CODE Bestellcode

PSV21 . S10 . 00 . 00 . 0

Voltage
 Spannung
 12 = 12VDC
 24 = 24VDC

Connector type
 Elektrischer Anschluss
 DG = DIN43650
 DR = Deutsch DT04-2P

CO13.XX.18.0X

18W-Continuous duty-ED 100%

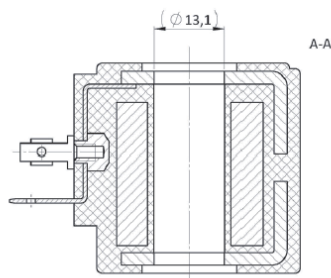
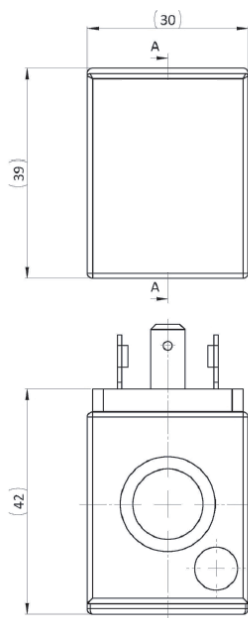
18W-Dauerbetrieb-ED 100%

TECHNICAL DATA

Technische Parameter

Power	see code
Coil insulation class	F(155°C)
Wire insulation class	H(180°C)
ED	100%
Supply power tolerance	±10%(DC)
Ambient temperature range	-30°C,+60°C
IP coil	54

Leistung
Isolationsklasse der Spule
Isolationsklasse der Drähte
Stromsatz
Spannungstoleranz
Umgebung-Temperaturbereich
IP-Spule



ORDERING CODE Bestellcode

C 0	1 3	2 4	1 8	0 0
		Voltage Spannung 12 - DC12V 24 - DC24V	Power Leistung 18 - 18W	Connector Verbinder 00 - DIN43650 02-AMP Junior 08 - DEUTSCH

CO13.XX.20.0X

20W-Continuous duty-ED 100%

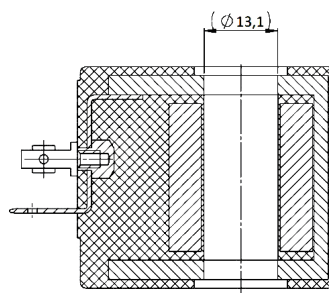
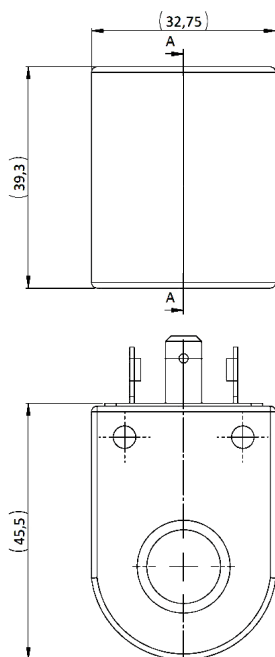
20W-Dauerbetrieb-ED 100%

TECHNICAL DATA

Technische Parameter

Power	see code
Coil insulation class	F(155°C)
Wire insulation class	H(180°C)
ED	100%
Supply power tolerance	±10%(DC)
Ambient temperature range	-30°C,+60°C
IP coil	54

Leistung
Isolationsklasse der Spule
Isolationsklasse der Drähte
Stromsatz
Spannungstoleranz
Umgebung-Temperaturbereich
IP-Spule



ORDERING CODE Bestellcode

C O	1 3	2 4	2 0	0 0
-----	-----	-----	-----	-----

Voltage
Spannung
12 - DC12V
24 - DC24V

Power
Leistung
20 - 20W

Connector
Verbinder
00 - DIN43650
02-AMP Junior
08 - DEUTSCH

CO13.XX.22.0X

22W-Continuous duty-ED 100%

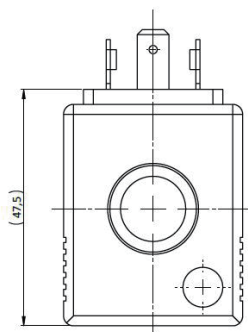
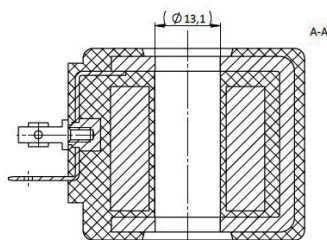
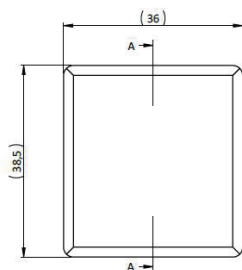
22W-Dauerbetrieb-ED 100%

TECHNICAL DATA

Technische Parameter

Power	see code
Coil insulation class	F(155°C)
Wire insulation class	H(180°C)
ED	100%
Supply power tolerance	±10%(DC)
Ambient temperature range	-30°C,+60°C
IP coil	54

Leistung
Isolationsklasse der Spule
Isolationsklasse der Drähte
Stromsatz
Spannungstoleranz
Umgebung-Temperaturbereich
IP-Spule



ORDERING CODE Bestellcode

C 0	1 3	2 4	2 2	0 0
------------	------------	------------	------------	------------

Voltage
Spannung
12 - DC12V
24 - DC24V

Power
Leistung
22 - 22W

Connector
Verbinder
00 - DIN43650
02 - AMP Junior
08 - DEUTSCH

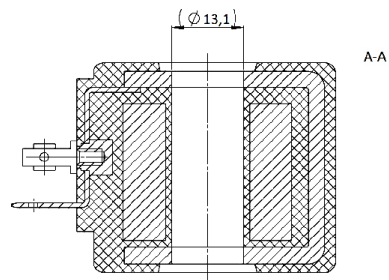
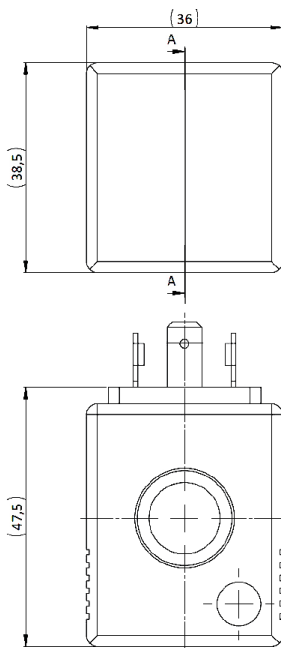
CO13.XX.27.0X

27W-Continuous duty-ED 100%
27W-Dauerbetrieb-ED 100%

TECHNICAL DATA

Technische Parameter

Power	see code(siehe Code)	Leistung
Coil insulation class	F(155°C)	Isolationsklasse der Spule
Wire insulation class	H(180°C)	Isolationsklasse der Drähte
ED	100%	Stromsatz
Supply power tolerance	±10%(DC)	Spannungstoleranz
Ambirent temperature range	-30°C,+60°C	Umgebung-Temperaturbereich
IP coil	54	IP-Spule



ORDERING CODE Bestellcode

C 0	1 3	2 4	2 7	0 0
		Voltage Spannung 12 - DC12V 24 - DC24V	Power Leistung 27 - 20W	Connector Verbinder 00 - DIN43650 02-AMP Junior 08 - DEUTSCH

CO13.XX.XX.FX

Continuous duty-ED 100%,Wide range voltage
Dauerbetrieb-ED 100%, Breitbereichsspannung

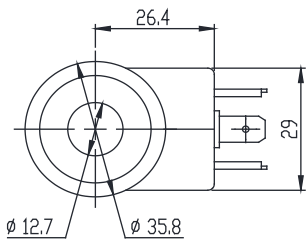
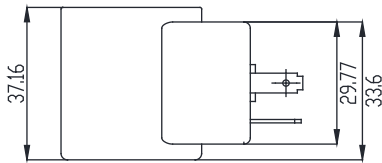
TECHNICAL DATA

Technische Parameter

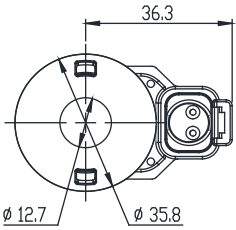
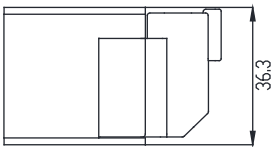
Electrical parameter	see table1(siehe Tabelle 1)	Elektrische Parameter
Operating Voltage Range	+10%/-10%	Betriebsspannungsbereich
Shell Material	Steel(Stahl)	Schalenmaterial

Rated voltage(V) Nennspannung(V)	12VDC	24VDC
Input power at 20°C (W) Eingangsleistung bei 20°C (W)	16.3	17

Table 1
Tabelle 1



DIN 43650



Deutsch DT04-2P

ORDERING CODE Bestellcode

C O

1 3

.

2 4

.

1 6

.

F

0

Voltage
Spannung

12 = 12 VDC
24 = 24 VDC

Power
Leistung

16 = 12 VDC power
17 = 24 VDC power

Connector
Verbinder

0 = DIN 43650
8 = Deutsch DT04-2P

CO13.XX.XX.RX

Continuous duty-ED 100%,Wide range voltage
Dauerbetrieb-ED 100%, Breitbereichsspannung

TECHNICAL DATA

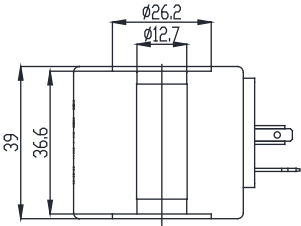
Technische Parameter

Electrical parameter see table1(siehe Tabelle 1)
Operating Voltage Range +15%/-15%
Shell Material Plastic(Kunststoff)

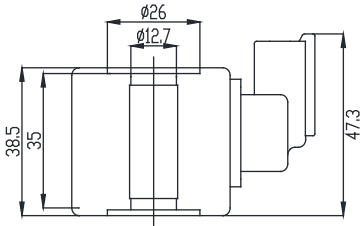
Elektrische Parameter
Betriebsspannungsbereich
Schalenmaterial

Rated voltage[V] Nennspannung[V]	12VDC	14VDC	24VDC
Input power at 20°C (W) Eingangsleistung bei 20°C (W)	20	20. 7	21. 1

Table 1
Tabelle 1



DIN 43650



Deutsch DT04-2P

ORDERING CODE Bestellcode

C O

1 3

.

2 4

.

1 6

.

R

0

Voltage
Spannung
12 = 12 VDC
14 = 14 VDC
24 = 24 VDC

Power
Leistung
20 = 12 VDC power
21 = 14/24 VDC power

Connector
Verbinder
0 = DIN 43650
8 = Deutsch DT04-2P

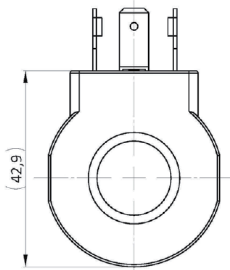
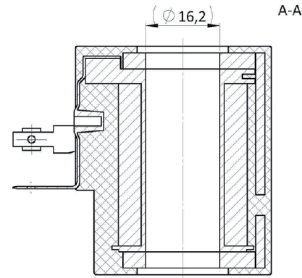
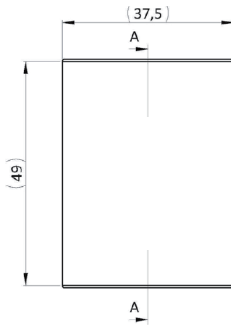
CO16.XX.26.0X

26W-Continuous duty-ED 100%
26W-Dauerbetrieb-ED 100%

TECHNICAL DATA

Technische Parameter

Power	see code(siehe Code)	Leistung
Coil insulation class	F(155°C)	Isolationsklasse der Spule
Wire insulation class	H(180°C)	Isolationsklasse der Drähte
ED	100%	Stromsatz
Supply power tolerance	±10%(DC)	Spannungstoleranz
Ambirent temperature range	-30°C,+60°C	Umgebung-Temperaturbereich
IP coil	54	IP-Spule



ORDERING CODE Bestellcode

C O	1 6	2 4	2 6	0 0
		Current Spannung 12 - DC12V 24 - DC24V	Power Leistung 26 - 26W	Connector Verbinder 00 - DIN43650 02-AMP Junior 08 - DEUTSCH

CO16.XX.XX.FX

Continuous duty-ED 100%,Wide range voltage
Dauerbetrieb-ED 100%, Breitbereichsspannung

TECHNICAL DATA

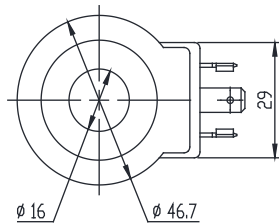
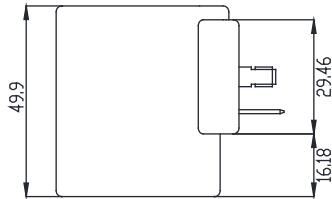
Technische Parameter

Electrical parameter see table1(siehe Tabelle 1)
Operating Voltage Range +15%/-15%
Shell Material Steel(Stahl)

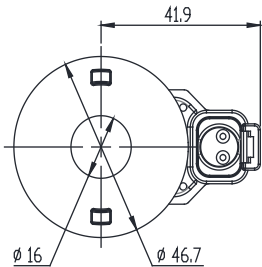
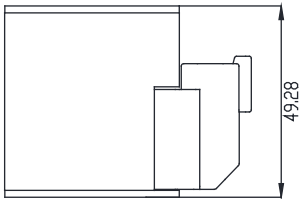
Elektrische Parameter
Betriebsspannungsbereich
Schalenmaterial

Rated voltage[V] Nennspannung[V]	12VDC	24VDC
Input power at 20°C (W) Eingangsleistung bei 20°C (W)	20.3	20.2

Table 1
Tabelle 1



DIN 43650



Deutsch DT04-2P

ORDERING CODE Bestellcode

C O

1 6

2 4

Voltage
Spannung
12 = 12 VDC
24 = 24 VDC

2 0

Power
Leistung
20 = 12/24 VDC power

F

0

Connector
Verbinder
0 = DIN 43650
8 = Deutsch DT04-2P

Continuous duty-ED 100%,Wide range voltage
Dauerbetrieb-ED 100%, Breitbereichsspannung

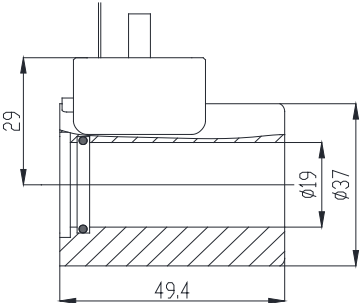
TECHNICAL DATA

Technische Parameter

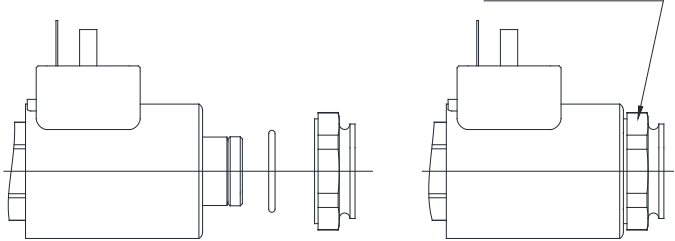
Electrical parameter	see table1	Elektrische Parameter
Operating Voltage Range	+15%/-15%	Betriebsspannungsbereich
Shell Material	Steel	Schalenmaterial

Rated voltage(V) Nennspannung(V)	12VDC	14VDC	24VDC	27VDC
Input power at 20°C (W) Eingangsleistung bei 20°C (W)	29.4	23.8	27.6	24

Table 1
Tabelle 1



Nut tightening moment(Anziehmoment der Mutter): 3-4 Nm



ORDERING CODE Bestellcode

C O	1 9	.	2 7	.	2 4	.	A	0
			Voltage Spannung 12 = 12 VDC 14 = 14 VDC 24 = 24 VDC 27 = 27 VDC		Power Leistung 29 = 12 VDC power 24 = 14/27 VDC power 28 = 24 VDC power		Connector Verbinder 0 = DIN 43650 8 = Deutsch DT04-2P	

CO19.XX.XX.BX

Continuous duty-ED 100%,Wide range voltage
Dauerbetrieb-ED 100%, Breitbereichsspannung

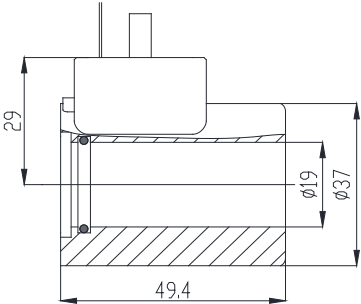
TECHNICAL DATA

Technische Parameter

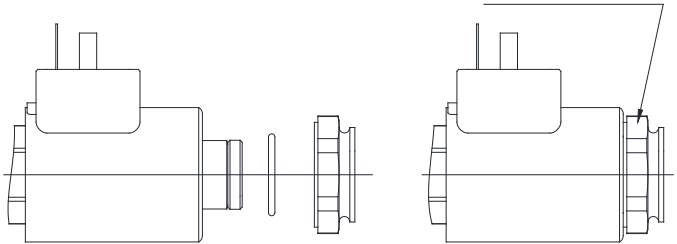
Electrical parameter	see table1	Elektrische Parameter
Operating Voltage Range	+15%/-15%	Betriebsspannungsbereich
Shell Material	Steel	Schalenmaterial

Rated voltage(V) Nennspannung(V)	12VDC	14VDC	24VDC	27VDC
Input power at 20°C (W) Eingangsleistung bei 20°C (W)	29.4	23.8	27.6	24

Table 1
Tabelle 1



Nut tightening moment(Anziehmoment der Mutter): 3-4 Nm



ORDERING CODE Bestellcode

C O	1 9	.	2 7	.	2 4	.	B	0
			Voltage Spannung 12 = 12 VDC 14 = 14 VDC 24 = 24 VDC 27 = 27 VDC		Power Leistung 29 = 12 VDC power 24 = 14/27 VDC power 28 = 24 VDC power		Connector Verbinder 0 = DIN 43650 8 = Deutsch DT04-2P	

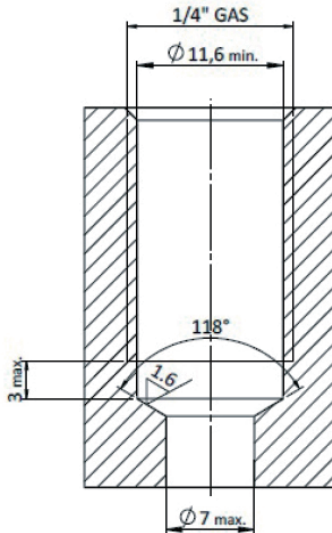
Cavity and hole comparison table

Lochvergleichstabelle

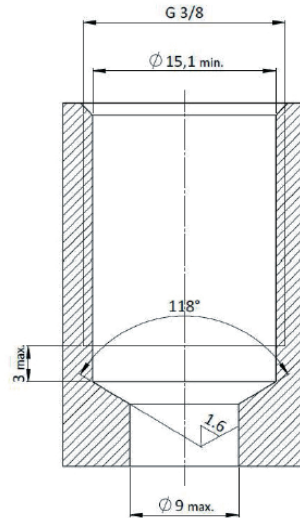
C&L	Thread	HydraForce	Danfoss	Eaton Vickers	Command Controls (Bucher)	VIS	Argo Hytoss	SUN	Others andere
CL-006	7/16-20		C P04-3		C0430	VH131			
SAE08	3/4-16	VC08-2	SD C08-2	C-8-2	C0820	SAE08	A2		
SAE08-2		VC08-3	SD C08-3	C-8-3	C0830	SAE08-2	A3		
SAE08-3		VC08-4	SD V08-4	C-8-4	C0840	SAE08-3	A4		
SAE08-4		VC08-5							
CL-008						VH102			
CL-009						VH081			
SAE10	7/8-14	VC10-2	SD C10-2	C-10-2	C1020	SAE10	B2		
SAE10-2		VC10-3	SD C10-3	C-10-3	C1030	SAE10-2	B3		
SAE10-3		VC10-4	SD C10-4	C-10-4	C1040		B4		
SAE10-4		VC10-5							
CL-010									HBS
CL-012					C1025				
CL-013			C P10-3L						
CL-014		VC10-S6							
CL-015									HBS
SAE12	1 1/16-12	VC12-2	SD C12-2	C-12-2		SAE12			
SAE12-2		VC12-3		C-12-3					
SAE12-3		VC12-4		C-12-4					
CL-016		VC12-S5							
CL-007		VC12-S6							
SAE16	1 5/16-12	VC16-2	SD C16-2	C-16-2	C1620	SAE16			
SAE16-2		VC16-3	SD C16-3	C-16-3	C1630				
SAE16-3		VC16-4	SD C16-4	C-16-4	C1640				
CL-011		VC16-S6							
CL-M12	M 12x1						O C 2		
CL-M18	M18x1.5								LUEN:T4-S2
CL-017									REXROTH:730
CL-M20	M 20x1.5					VH043			
CL-M22-2	M 22x1.5					VH080			
CL-M22						VH045			
CL-M27-2	M 27x1.5			A 12336			R3		
CL-000	G 1/8					VH056			
CL-001	G 1/4					VH007			
CL-002	G 3/8					VH008			
CL-003	G 1/2					VH009			
CL-004	G 3/4					VH057			
CL-005	G 1/8					VH017			
T-13A	M 20x1.5							T-13A	
T-11A	M 20x1.5							T-11A	

CAVITIES Hohlräume

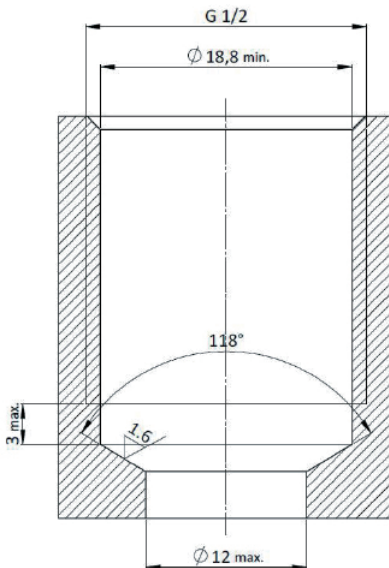
CL-001



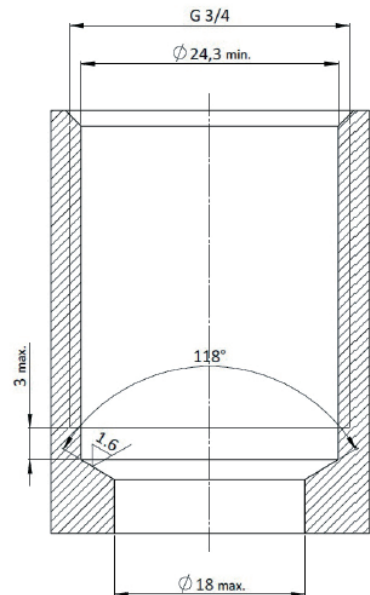
CL-002



CL-003

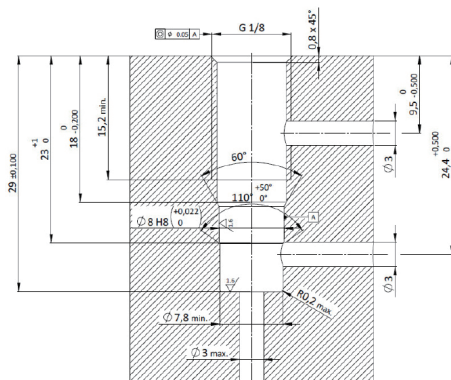


CL-004

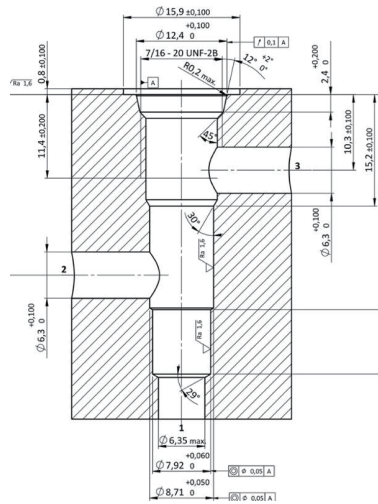


CAVITIES Hohlräume

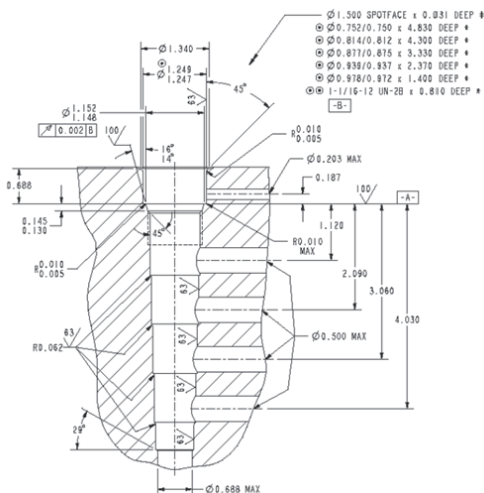
CL-005



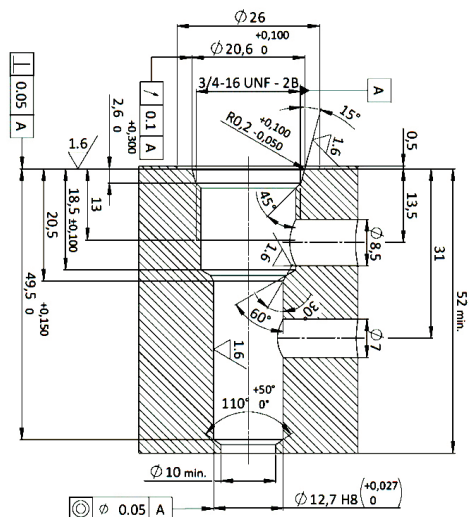
CL-006



CL-007



CL-008



Technical drawing of a 16x100x200 mm I-beam profile. The drawing shows a cross-section of the beam with a central web and two flanges. The flanges are reinforced with VH076 reinforcement bars. The dimensions are indicated as 16 (height), 100 (width), and 200 (depth).

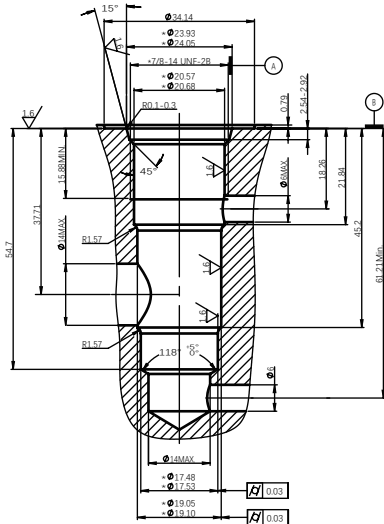
Technical drawing of a mechanical part, likely a bush or sleeve, showing a cross-section. The part has a central hole with a diameter of 18 mm and an outer diameter of 24 mm. The total height is 33.50 mm. The drawing includes various dimensions, tolerances, and surface finish symbols.

Key dimensions and features:

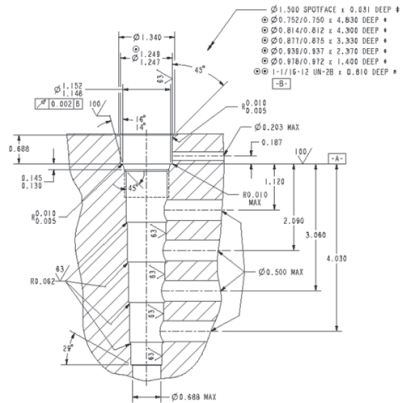
- Outer diameter: $\varnothing 24 \pm 0.05$
- Threaded section: 7/8-14UNF-2B
- Inner diameter: $\varnothing 18$ and $\varnothing 19 \ 0$
- Height: 33.50
- Surface finish symbols: 1.6, 3.2, 1.6, 1.6
- Angles: 15°, 45°
- Radius: R1.5
- Dimension lines: 15, 18, 2.54 0, +0.25

Technical drawing of a shaft-hub assembly. The drawing shows a shaft (1) with a diameter of $\varnothing 1.240 \text{ min}$ [31.5] and a hub (2) with a bore diameter of $\varnothing 944 \pm .002$ [23.98 $\pm$.005]. The shaft has a length of 7/8-14 UNF-2B. The hub has a bore length of 1.508 max. [38.29] and a total length of 1.900 min. [48.26]. The shaft has a fillet radius of R.050 [1.27] and a shoulder diameter of $\varnothing 570 \text{ max}$ [14.48]. The hub has a shoulder diameter of $\varnothing 689 \pm .001$ [17.5 $\pm$.005] and a bore diameter of $\varnothing 752 \pm .001$ [19.1 $\pm$.002]. The shaft has a diameter of $\varnothing 1515 \text{ max}$ [38.13] and a diameter of $\varnothing 188 \text{ max}$ [4.78]. The hub has a bore diameter of $\varnothing 1651 \pm .001$ [41.8 $\pm$.005] and a bore diameter of $\varnothing 1650 \pm .001$ [41.78 $\pm$.005]. The shaft has a diameter of $\varnothing 1531$ [38.8] and a diameter of $\varnothing 1500$ [38.1]. The hub has a bore diameter of $\varnothing 1531 \pm .001$ [38.8 $\pm$.005] and a bore diameter of $\varnothing 1500 \pm .001$ [38.1 $\pm$.005]. The shaft has a diameter of $\varnothing 1515 \text{ max}$ [38.13] and a diameter of $\varnothing 188 \text{ max}$ [4.78]. The hub has a bore diameter of $\varnothing 1651 \pm .001$ [41.8 $\pm$.005] and a bore diameter of $\varnothing 1650 \pm .001$ [41.78 $\pm$.005]. The shaft has a diameter of $\varnothing 1531$ [38.8] and a diameter of $\varnothing 1500$ [38.1]. The hub has a bore diameter of $\varnothing 1531 \pm .001$ [38.8 $\pm$.005] and a bore diameter of $\varnothing 1500 \pm .001$ [38.1 $\pm$.005].

CL-013



CL-014



NOTES: - THE ABOVE FEATURES (EXCEPT FOR PILOT DRILL AND CROSS DRILLS)
CAN BE MACHINED SIMULTANEOUSLY USING HYDRAFORCE FORM TOOLS. CONSULT FACTORY.

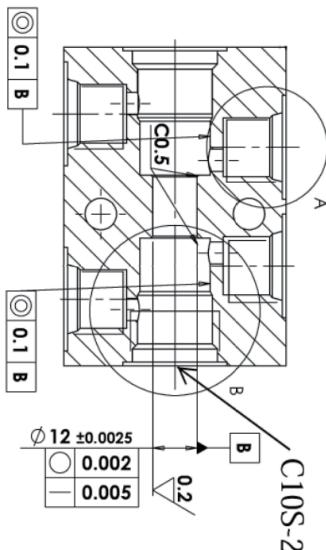



* - DEPTHS ARE FROM DATUM -A-

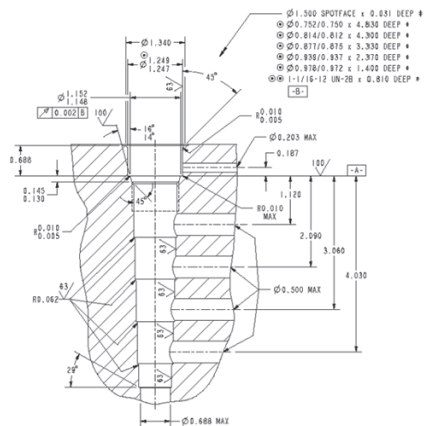
- UNLESS OTHERWISE SPECIFIED ON MACHINING DRAWING.

- UNSPECIFIED TOLERANCES ARE ± 0.005 . - UNSPECIFIED ANGULAR DIMENSIONS $\pm 3^\circ$.

CL-015



CL-016



NOTES: - THE ABOVE FEATURES (EXCEPT FOR PILOT DRILL AND CROSS DRILLS)
CAN BE MACHINED SIMULTANEOUSLY USING HYDRAFORCE FORM TOOLS. CONSULT FACTORY.

② -

	0.001 A
/	0.002 B

 ②② -

	0.001 A
○	0.0009 (PITCH DIA)

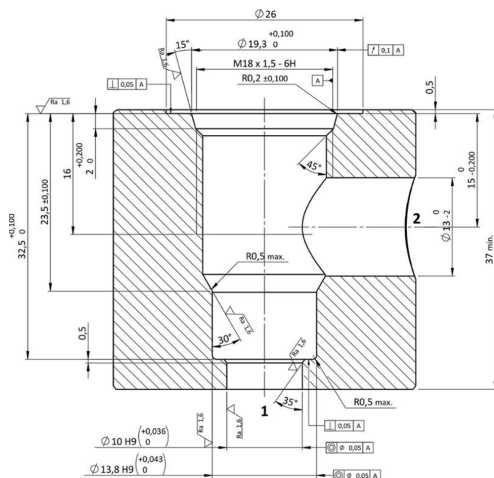
* - DEPTHS ARE FROM DATUM -A-

- UNLESS OTHERWISE SPECIFIED ON MACHINING DRAWING.

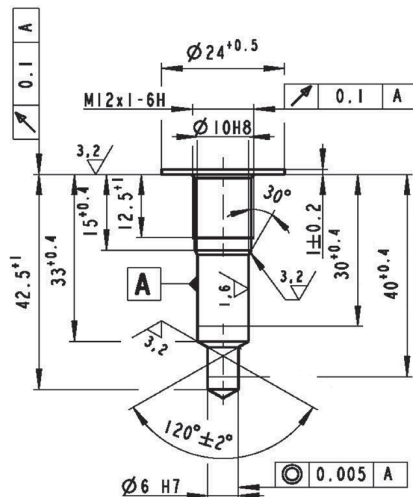
- UNLESS OTHERWISE SPECIFIED ON MACHINING DRAWING.
- UNSPECIFIED TOLERANCES ARE ± 0.005 . - UNSPECIFIED ANGULAR DIMENSIONS $\pm 3^\circ$.

CAVITIES Hohlräume

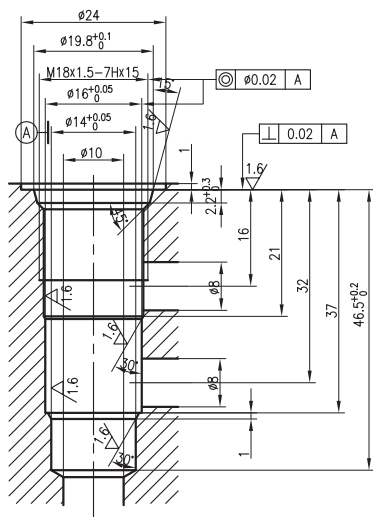
CL-017



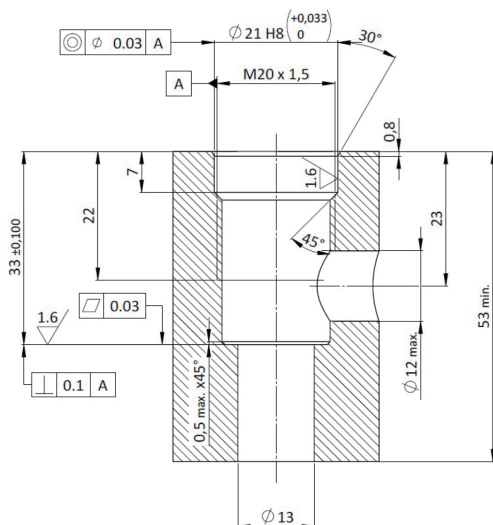
CL-M12



CL-M18

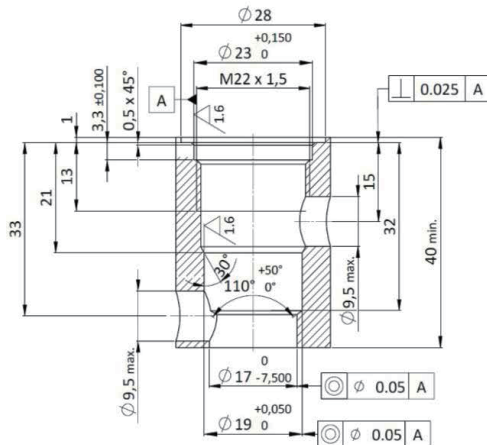


CL-M20

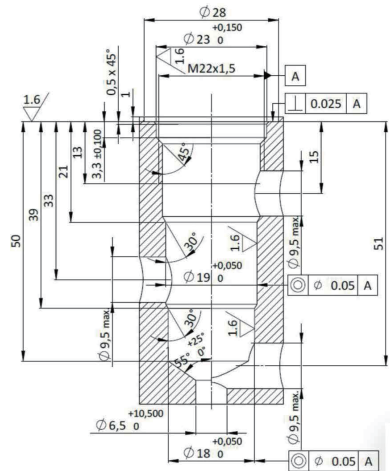


CAVITIES Hohlräume

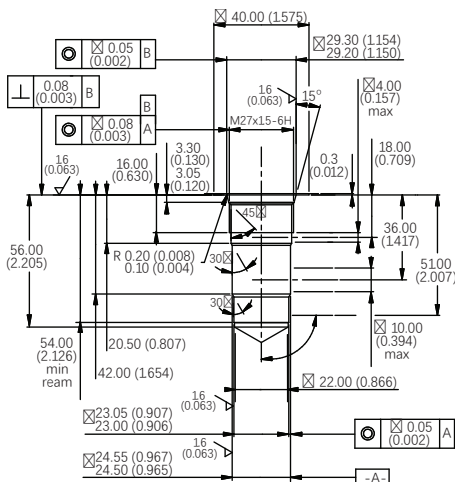
CL-M22



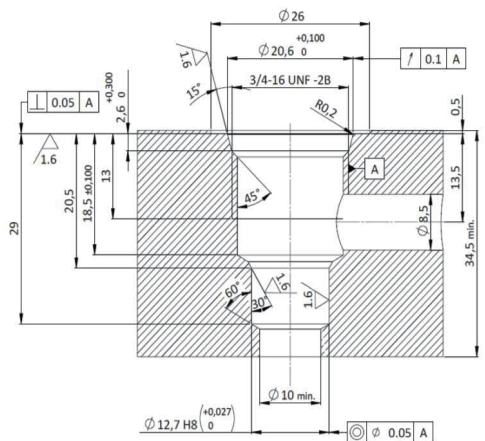
CL-M22-2



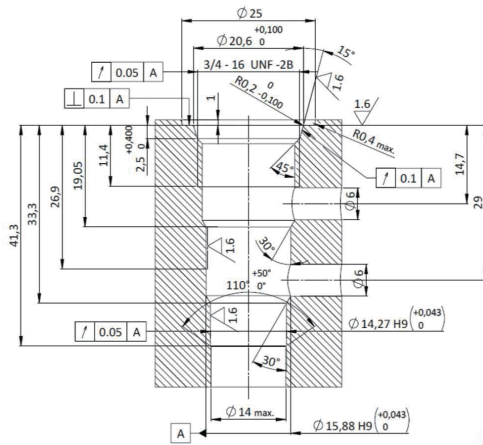
CL-M27-2



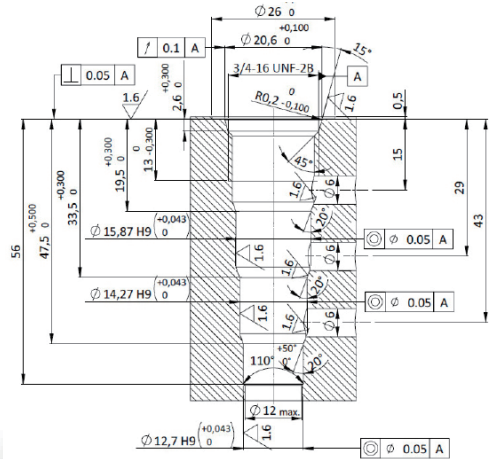
SAE08



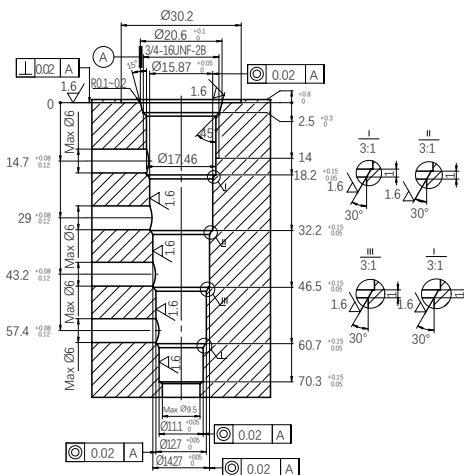
SAE08-2



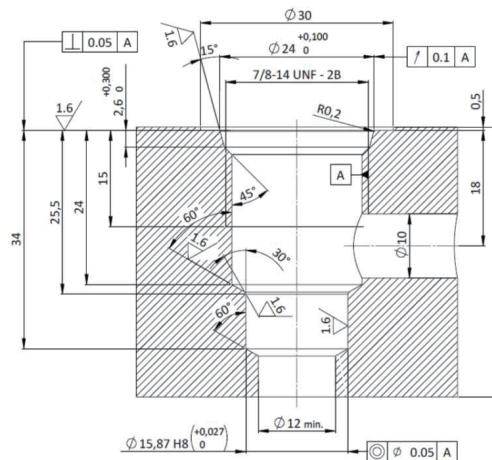
SAE08-3



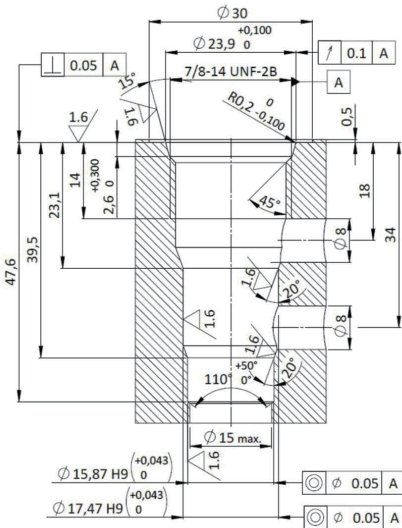
SAE08-4



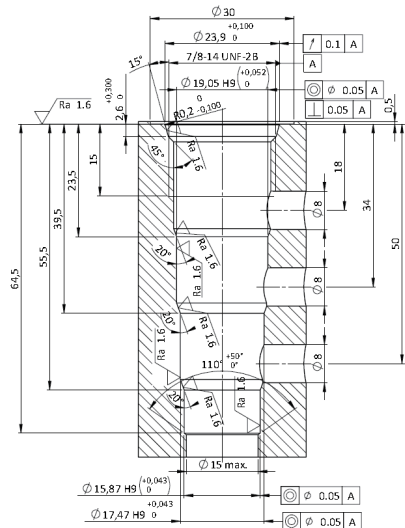
SAE10



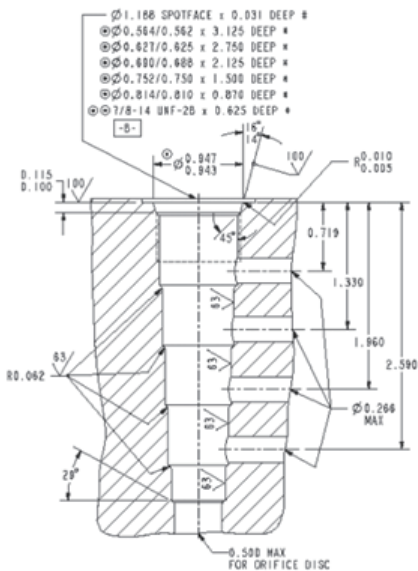
SAE10-2



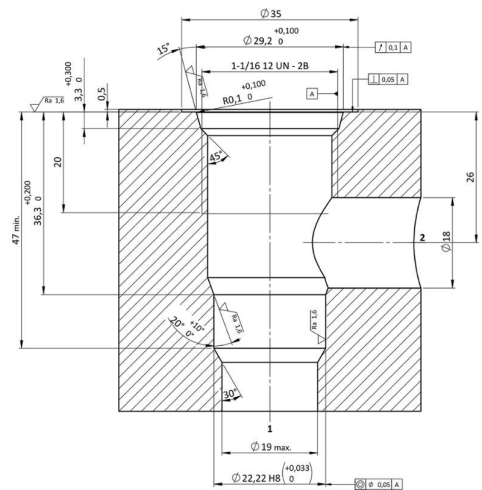
SAE10-3



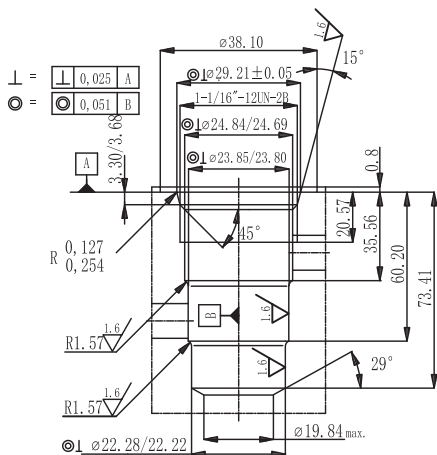
SAE10-4



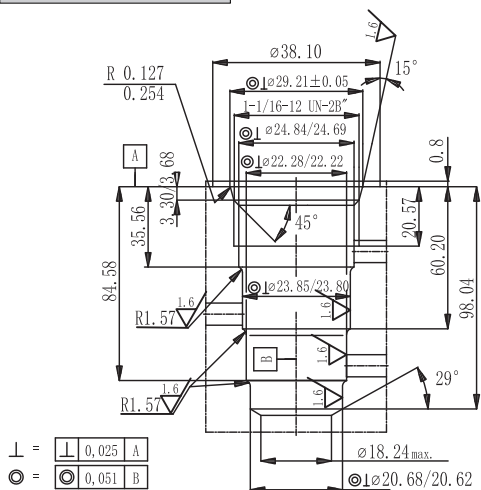
SAE12



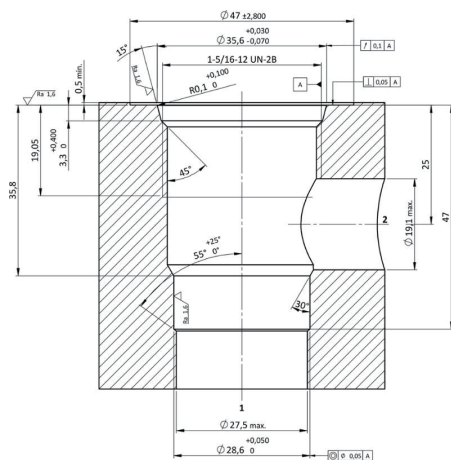
SAE12-2



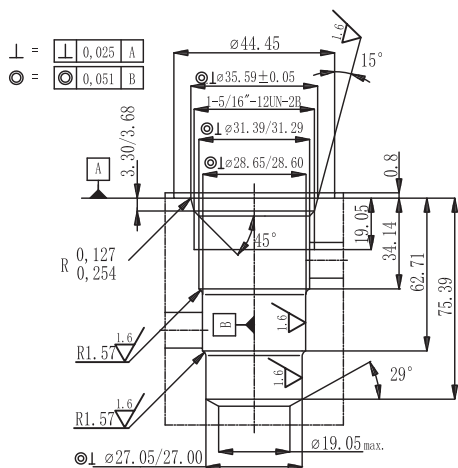
SAE12-3



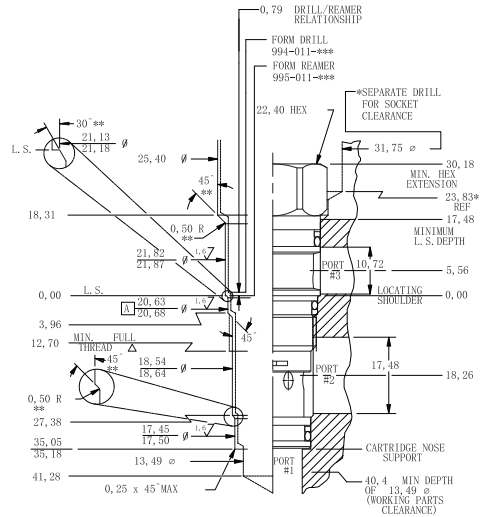
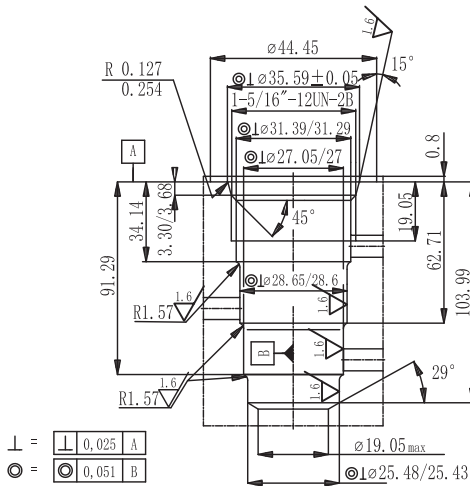
SAE16



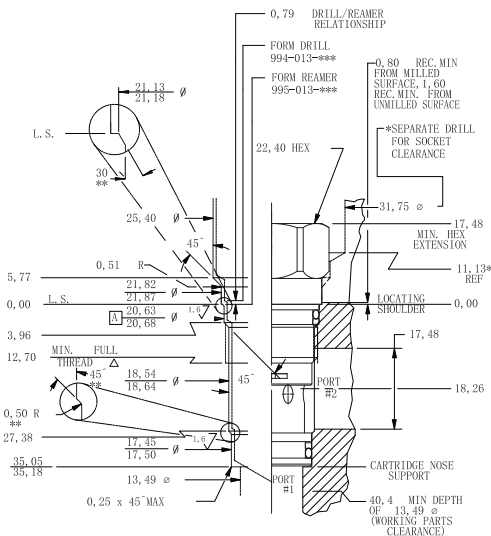
SAE16-2



T-11A



T-13A



Herkömmliche hydraulische Schleuse
DUAL PILOT OPERATED CHECK VALVE
Dual Pilot betriebtes Rückschlagventil
PCFD.001.78.A03



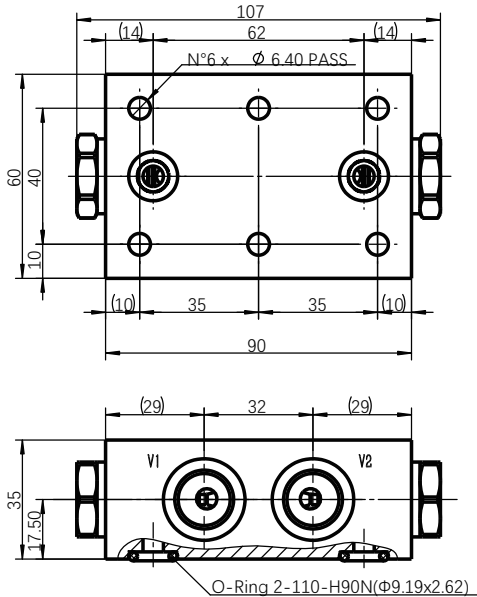
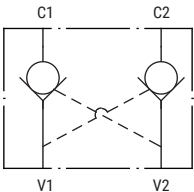
FLANGED MOUNTING 40x70
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow
Max. working pressure
Cracking pressure
Pilot ratio
Body Material

30L/min
350bar
8bar
7:1
Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Öffnungsdruck
Leitquote
Material



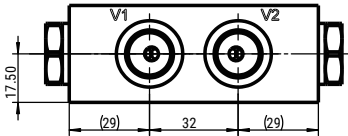
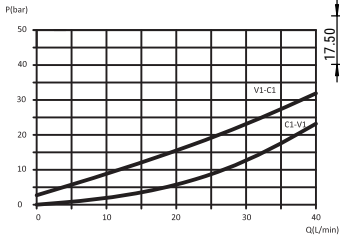
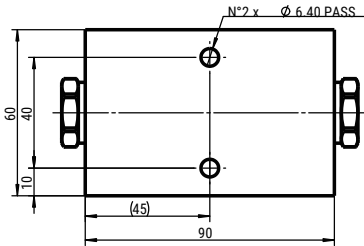
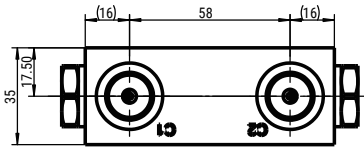
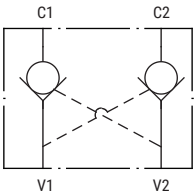
	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCFD	001	7	8	A	03
		Pilot ratio Pilotverhältnis 7 - 7:1	Cracking Pressure Öffnungs- druck 8 - 8 bar		Ports Häfen 03 - G 3/8"

TECHNICAL DATA
Technische Parameter

Nominal flow	30L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	8bar	Öffnungsdruck
Pilot ratio	7:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCPD	.	001	.	7	.	8	.	A	.	03
------	---	-----	---	---	---	---	---	---	---	----

Pilot ratio
Pilotverhältnis
7 - 7:1

Cracking
Pressure
Öffnungs-
druck
8 - 8 bar

Ports
Häfen
03 - G 3/8"

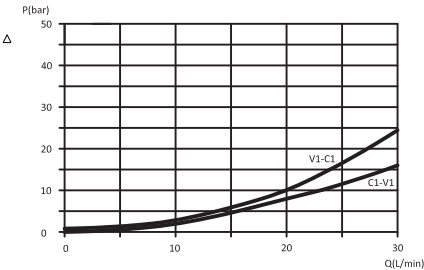
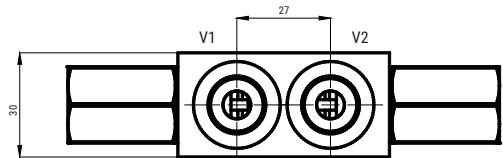
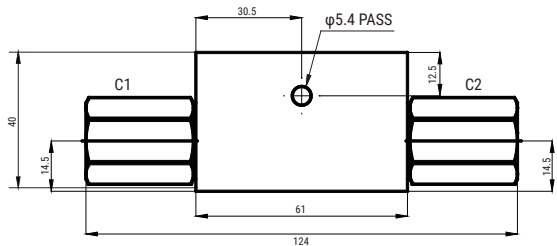
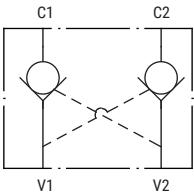
Herkömmliche hydraulische Schleuse
DUAL PILOT OPERATED CHECK VALVE
2-Wege-hydraulische Verriegelung
PCPD.000.01.A03



IN LINE
Rohrinstallation

TECHNICAL DATA
Technische Parameter

Nominal flow	30L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	1bar	Öffnungsdruck
Pilot ratio	4:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
V1/V2	G 3/8"
C1/C2	G 3/8"

ORDERING CODE Bestellcode

PCPD	.	000	.	0	.	1	.	A	.	03
------	---	-----	---	---	---	---	---	---	---	----

Cracking
Pressure
Öffnungsdruck
1 - 1 bar

Ports
Häfen
03 - G 3/8"

CBPD.000.41.A02

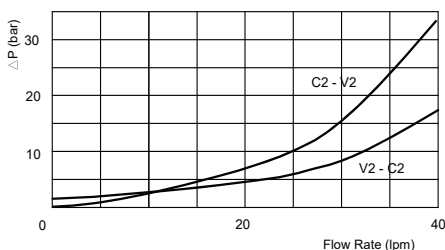
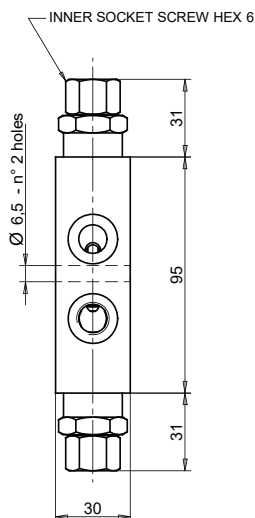
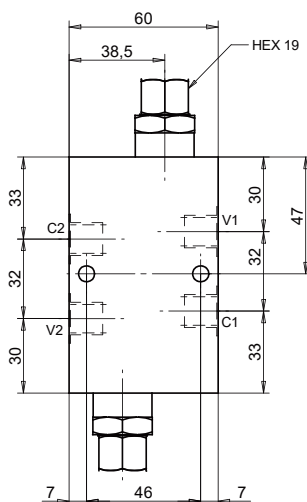
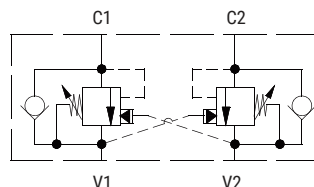
IN LINE Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow 25L/min
Max. flow 40L/min
Max. working pressure 350bar
Pilot ratio 4:1
Body Material Steel Stahl

Nenn Durchfluss
Max. Durchfluss
Max. Betriebsdruck
Leitquote
Material



Ports Häfen
V1/V2/C1/C2 G 1/4"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBPD . **000** . **4** . **1** . **A** . **02**

Pilot ratio
Leitquote
4 - 4:1

Spring range
Federdruckbereich
1 - 160~350bar

Ports
Häfen
02 - G 1/4"
03 - G 3/8"
04 - G 1/2"

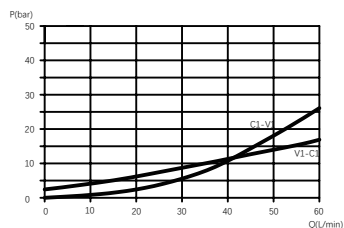
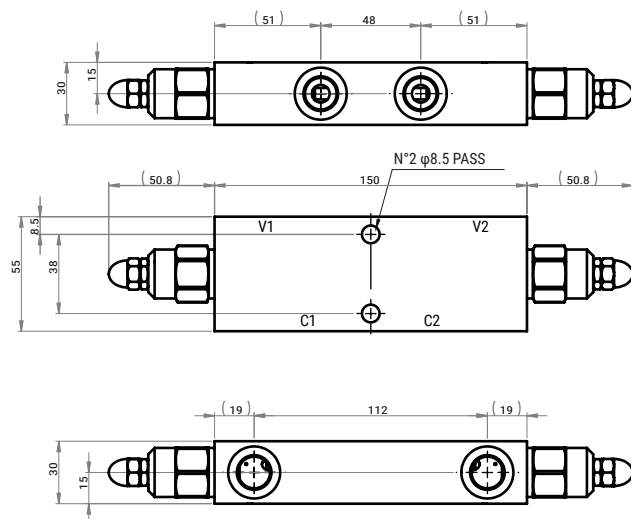
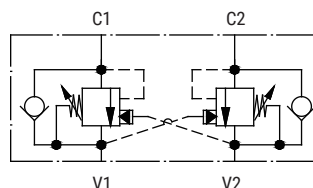
CBPD.000.41.A03

IN LINE Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Spring range	160~350bar	Federdruckbereich
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material



C1/C2/V1/V2	Ports Häfen
	G 3/8"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBPD	.	000	.	4	.	1	.	A	.	03
------	---	-----	---	---	---	---	---	---	---	----

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
03 - G 3/8"

CBPD.000.41.A04

IN LINE

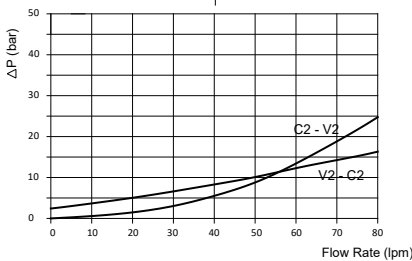
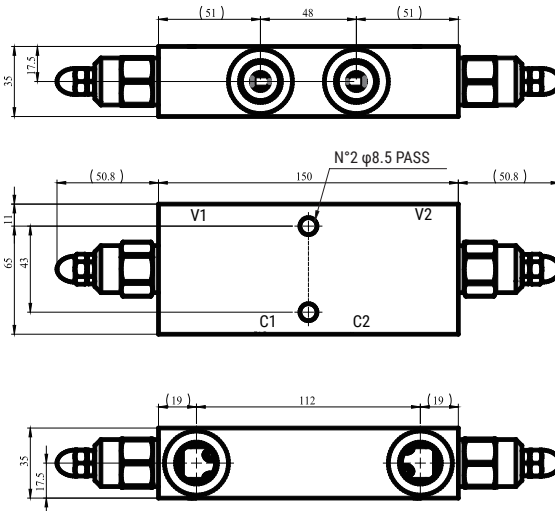
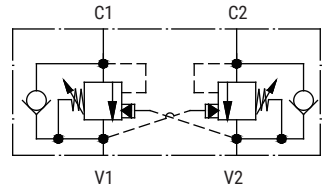
Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow 80L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBPD . 000 . 4 . 1 . A . 04

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
04 - G 1/2"

Ports Häfen
V1/V2/C1/C2 G 1/2"

CBZD.000.41.Z06

SANDWICH PLATE MOUNTING

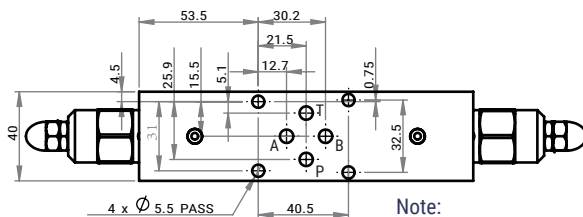
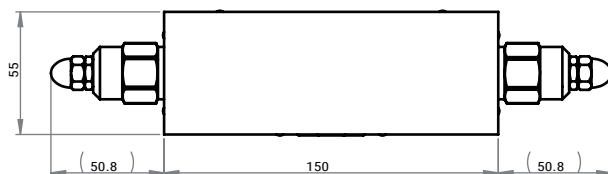
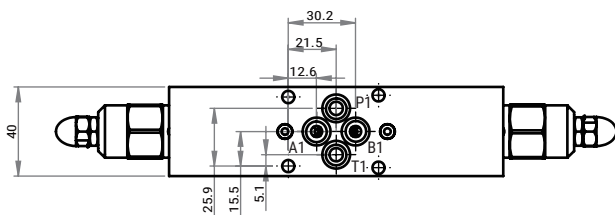
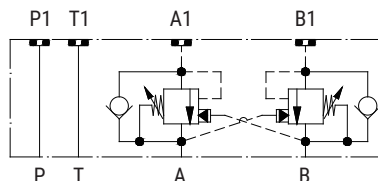
Sandwichplatte-Montage

TECHNICAL DATA

Technische Parameter

Nominal flow	25L/min
Spring range	160~350bar
Max. working pressure	350bar
Setting pressure	180bar
Pilot ratio	4.25:1
Body Material	Steel Stahl

Nennstrom	
Federdruckbereich	
Maximaler Betriebsdruck	
Einstelldruck	
Leitquote	
Material	



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBZD . **000** . **4** . **1** . **Z** . **06**

Pilot ratio
Leitquote
4 - 4.25:1

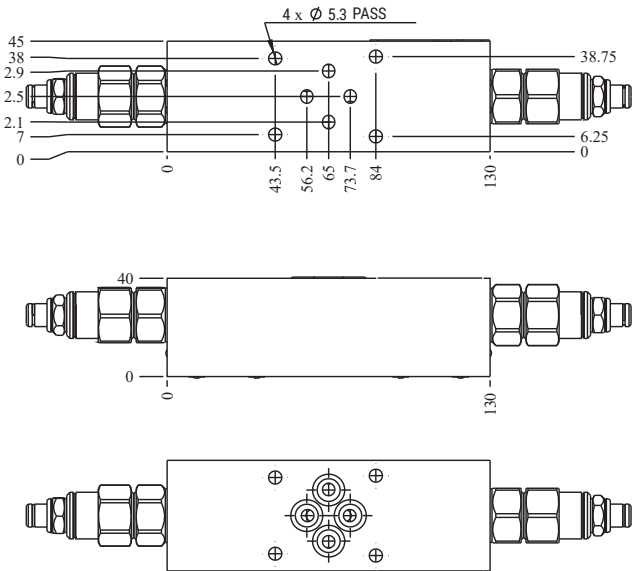
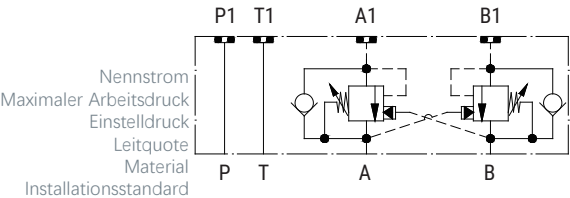
Ports
Häfen
NS 6

CBZD.XOX

SANDWICH PLATE MOUNTING
Sandwichplatte-Montage

TECHNICAL DATA
Technische Parameter

Nominal flow 60L/min
Max. working pressure 350bar
Setting pressure See table 1siehe Tabelle 1
Pilot ratio See table 1siehe Tabelle 1
Body Material Steel Stahl
Install standard ISO 4401-03-02-94



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

TABLE 1 Tabelle 1

	D0D	H0H	I0I
Set. range Einstellbereich (bar)	70-280	140-350	140-420
Set. pressure Einstelldruck (bar)	260	350	350
Pilot ratio Leitquote	3:1	4.5:1	5:1

ORDERING CODE Bestellcode

CBZD . XOX . 03 . A . 01

See table 1
siehe Tabelle

Ports
Häfen
NS 6

CBZD.FOF.05.A00

SANDWICH PLATE MOUNTING

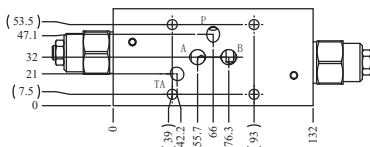
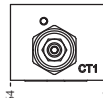
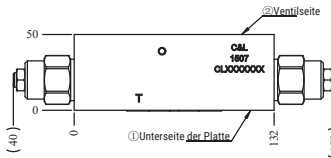
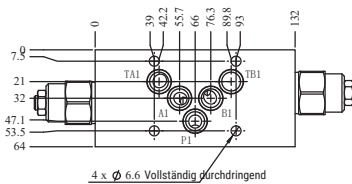
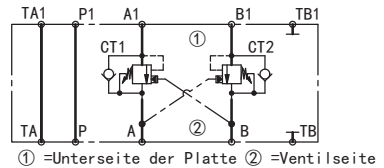
Sandwichplatte-Montage

TECHNICAL DATA

Technische Parameter

Max. flow	120L/min
Spring pressure range	140~350bar
Opening pressure	1.7bar
Setting pressure	350bar
Pilot ratio	4.5:1
Body Material	Steel Stahl

Nennstrom
Federdruckbereich
Öffnungsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBZD

FOF

05

A00

CBFD.000.41.A02

SANDWICH PLATE MOUNTING

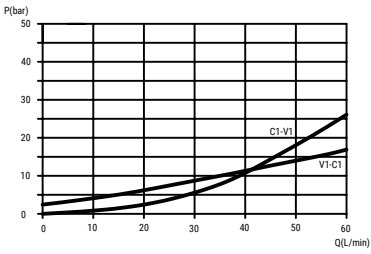
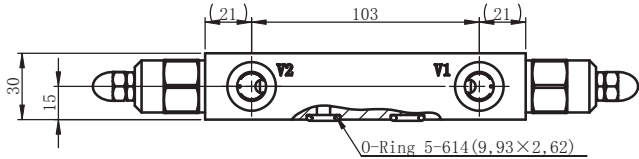
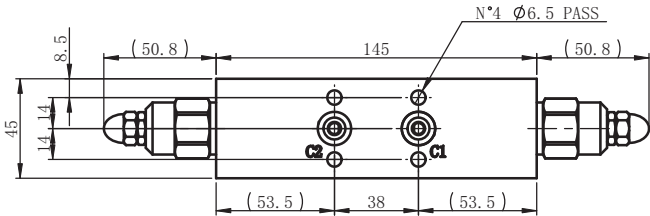
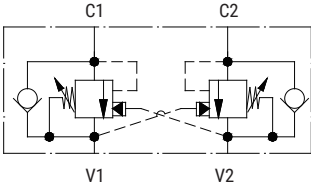
Sandwichplatte-Montage

TECHNICAL DATA

Technische Parameter

Nominal flow 40L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Body Material Steel

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



	Ports Häfen
C1/C2	φ9
V1/V2	G 1/4"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . **000** . **4** **1** . **A** **02**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
02 - G 1/4"

CBFD.000.41.A03

FLANGED MOUNTING 40x48

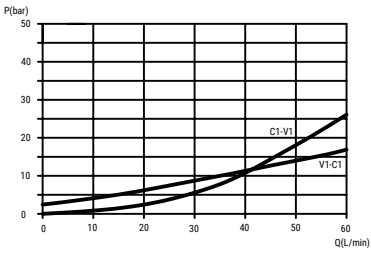
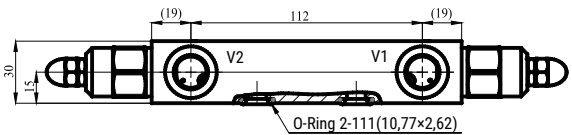
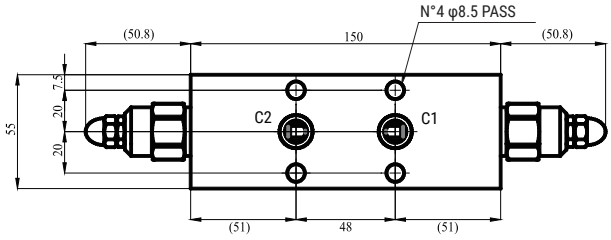
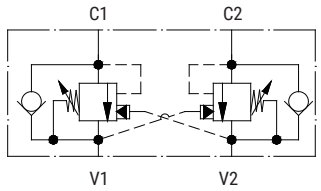
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 60L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . **000** . **4** . **1** . **A** . **03**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
03 - G 3/8"

CBFD.000.41.A04

FLANGED MOUNTING 40x48

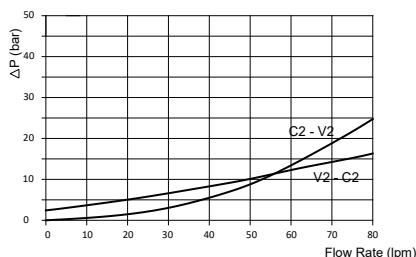
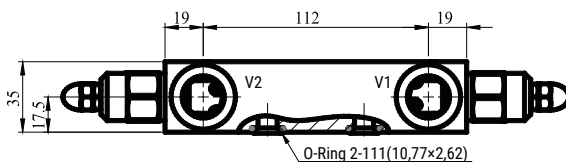
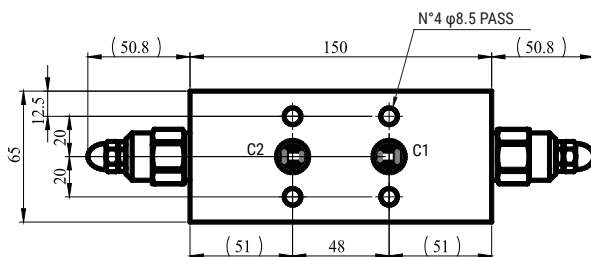
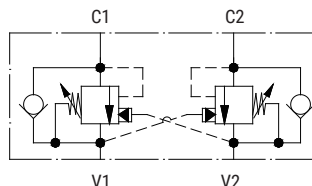
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 80L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . **000** . **4** . **1** . **A** . **04**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
04 - G 1/2"

CBFD.H00.51.A04

FLANGED MOUNTING 40x48

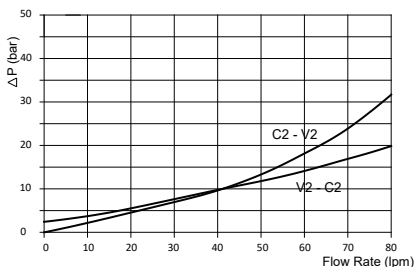
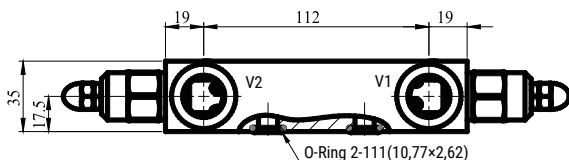
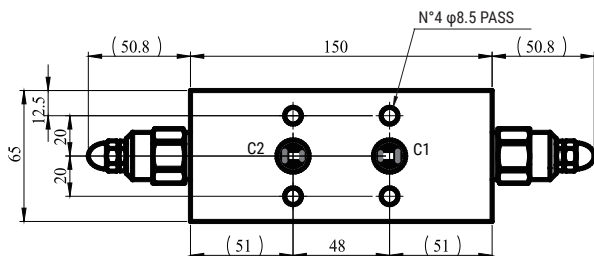
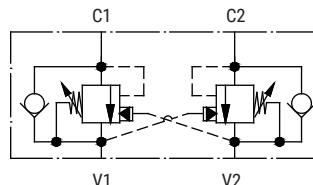
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 80L/min
Spring range 200~350bar
Max. working pressure 450bar
Setting pressure 420bar
Pilot ratio 5.3:1
Body Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 1/2"

ORDERING CODE Bestellcode

CBFD . H00 . 5 . 1 . A . 04

Pilot ratio
Leitquote
5 - 5.3:1

Ports
Häfen
04 - G 1/2"

PG01A1-90

FLANGED MOUNTING 38x92

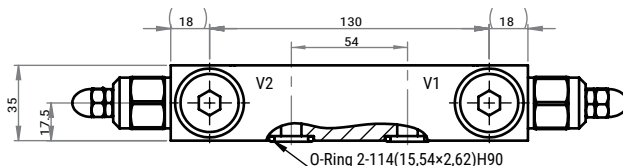
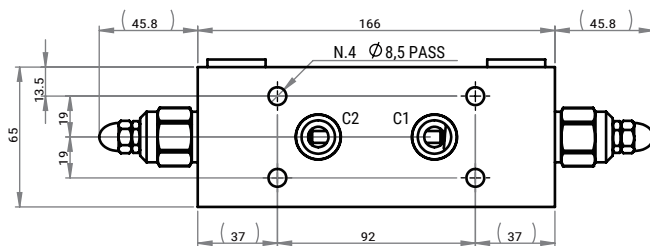
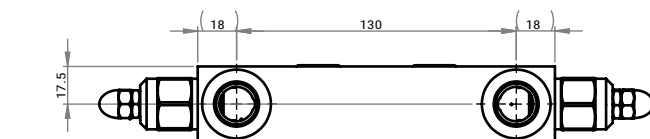
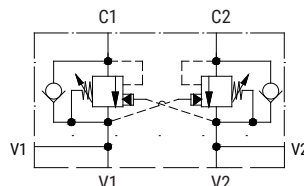
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 90L/min
Max. working pressure 350bar
Setting pressure 230bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

PG01A1

-

90

Ports Häfen	
V1/V2	G 1/2"

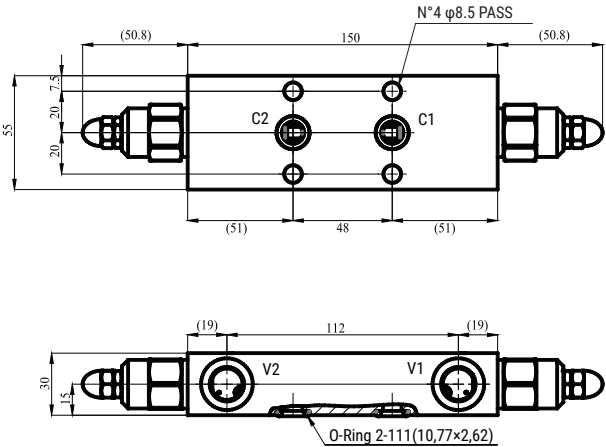
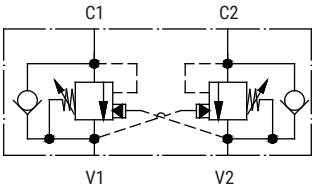
NW03A1-ST.A

FLANGED MOUNTING 40x80
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminum Aluminium	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW03 A1 - ST . A

Nominal flow
Nennstrom
A - 40L/min
D - 8L/min

NW03B1-ST

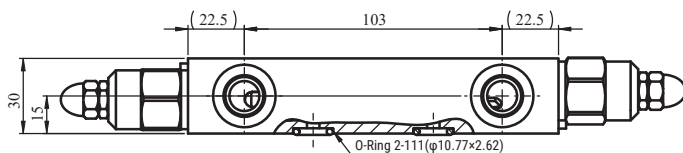
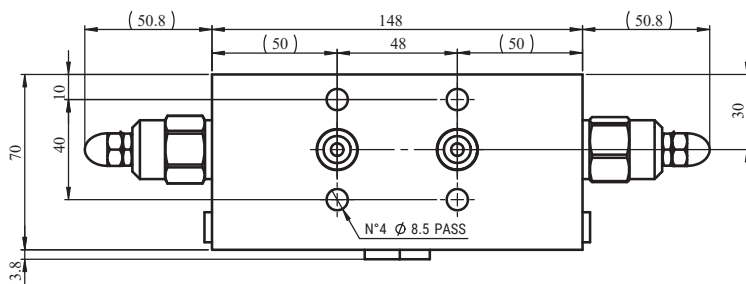
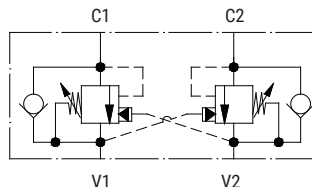
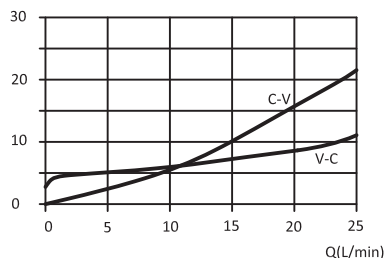
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	25L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	300bar	Einstelldruck
Pilot ratio	8.5:1	Leitquote
Body Material	Aluminium alloy	Aluminiumlegierung
		Material


$$\bar{P}$$


Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW 03

B 1

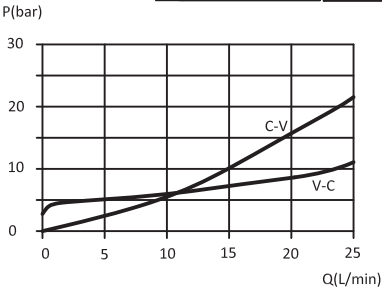
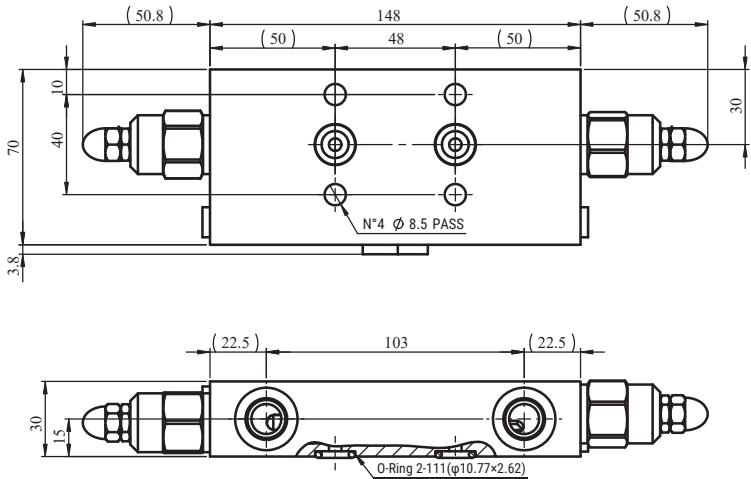
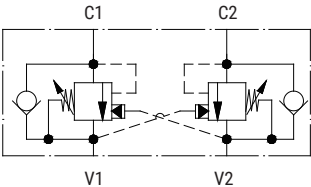
-	S	T
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NW03C1-ST

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	25L/min	工Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	300bar	Einstelldruck
Pilot ratio	4:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

ORDERING CODE Bestellcode

N W 03 C 1 - S T

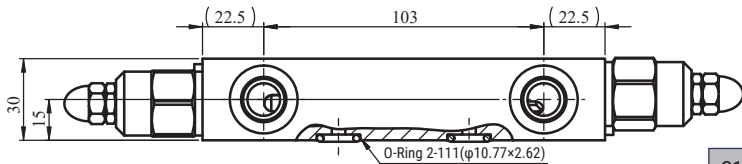
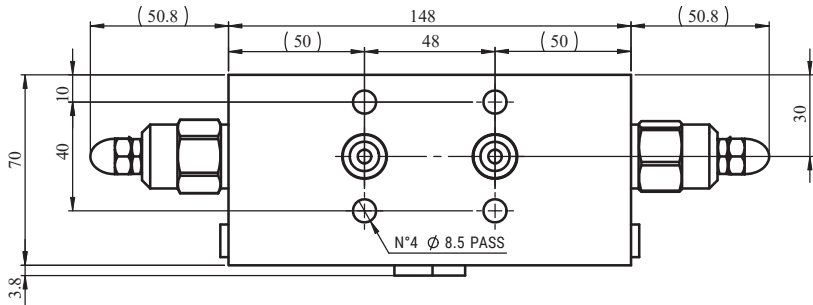
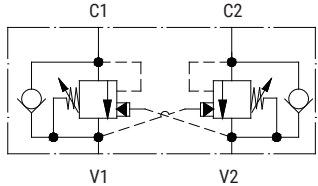
NW01A1-SL

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	5L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	300bar	Einstelldruck
Pilot ratio	8.5:1	Leitquote
Body Material	Aluminium Alloy Aluminiumlegierung	Material



	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

N W 01

A 1

- S L

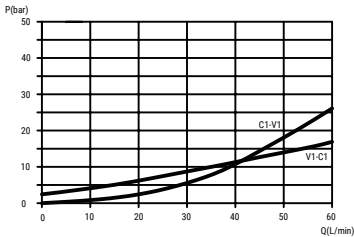
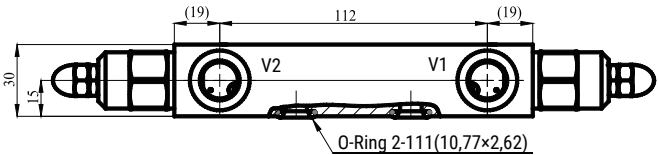
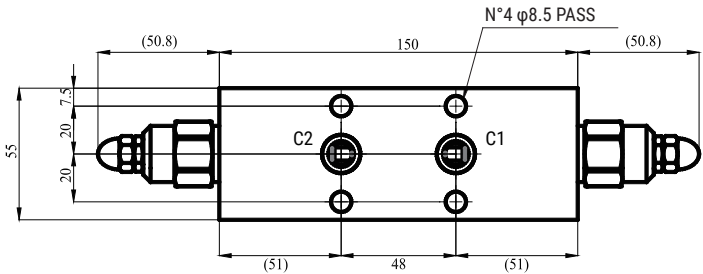
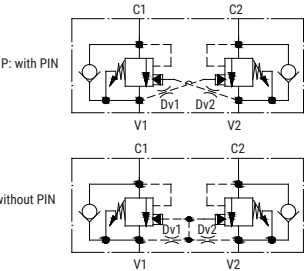
KF02B1-40

With adjustable pilot ratio
Mit angepasstem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	160-370bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

TABLE 1 Tabelle 1

DV1	DV2
6: φ0.6	6: φ0.6
7: φ0.7	7: φ0.7
8: φ0.8	8: φ0.8
9: φ0.9	9: φ0.9
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

ORDERING CODE Bestellcode

K F 02 **B 1** - **4 0** - **N** . **8 9** . **N N**

PIN
P-with(mit)
N-without(ohne)

Orifice
configuration
Konfiguration
der Öffnung
See table 1
siehe Tabelle 1

Limit of flow
Durch-
flussgrenzwerte
See table 2
siehe Tabelle 1

NW04A1-ST

FLANGED MOUNTING

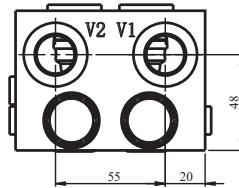
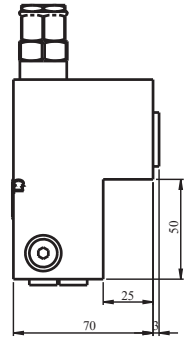
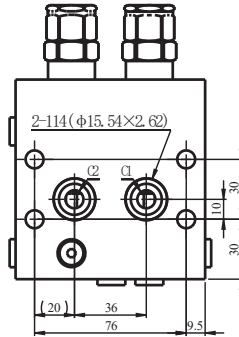
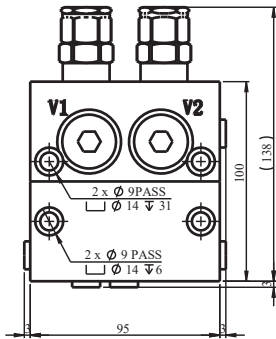
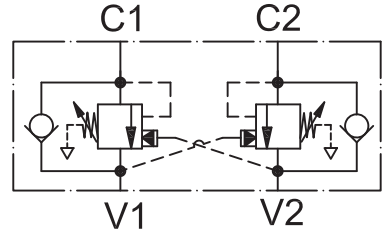
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min
Max. working pressure	350bar
Setting pressure	300bar
Pilot ratio	4.25:1
Body Material	Aluminium Aluminium

Maximaler Betriebsdruck	350bar
Einstelldruck	300bar
Leitquote	4.25:1
Material	Aluminium



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

Ports Häfen	
V1/V2	G 1/2"

ORDERING CODE Bestellcode

N W 04

A 1

-

S T

NW04B1-ST

FLANGED MOUNTING

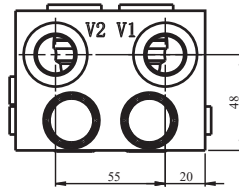
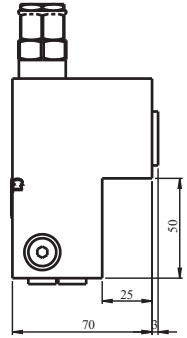
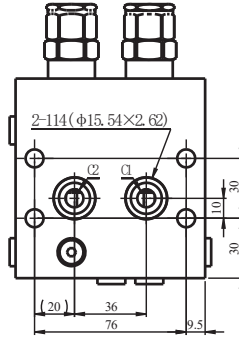
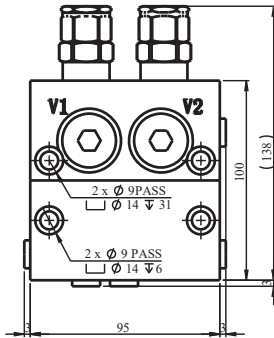
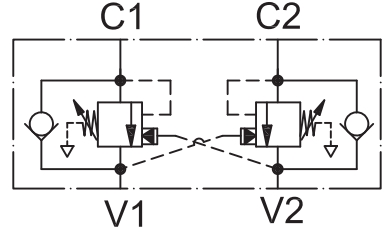
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	20L/min
Max. working pressure	350bar
Setting pressure	300bar
Pilot ratio	4.25:1
Body Material	Aluminium Aluminium

Nennstrom	Maximaler Betriebsdruck
Einstellendruck	Leitquote
Material	



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

Ports Häfen	
V1/V2	G 1/2"

ORDERING CODE Bestellcode

N W 04

B 1

-

S T

NW01B1-SL

FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow

60L/min

Nennstrom

Max. working pressure

350bar

Maximaler Betriebsdruck

Setting pressure

20bar

Einstelldruck

Pilot ratio

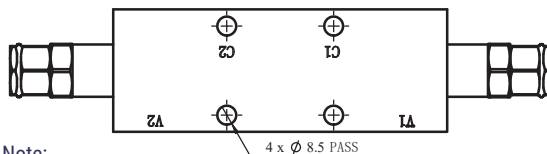
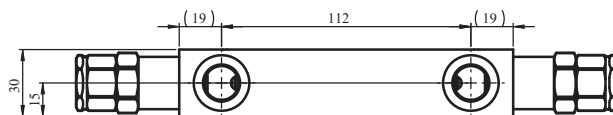
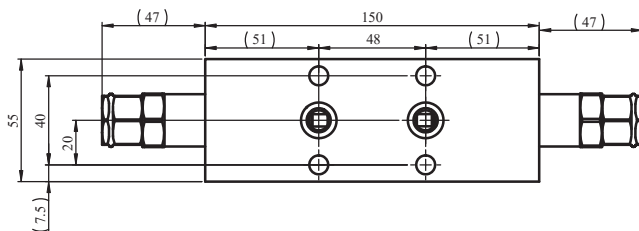
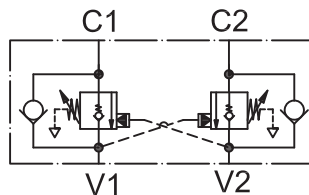
1:0

Leitquote

Body Material

Steel Stahl

Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

ORDERING CODE Bestellcode

N W 01

B1

-

S L

NW01C1-SL

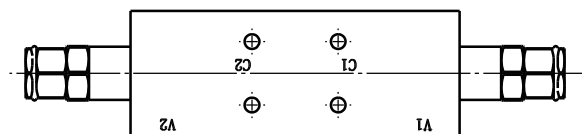
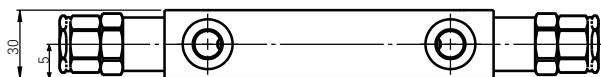
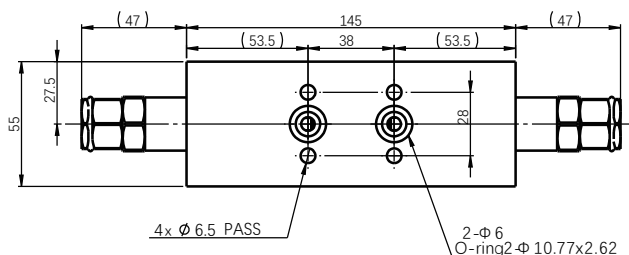
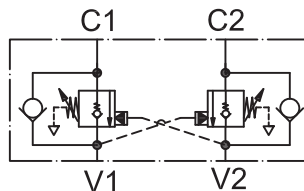
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	20bar	Einstelldruck
Pilot ratio	1:0	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
C1/C2	φ5
V1/V2	G 1/4"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

N W 01

C1

-

S L

NW02A1-RO.A

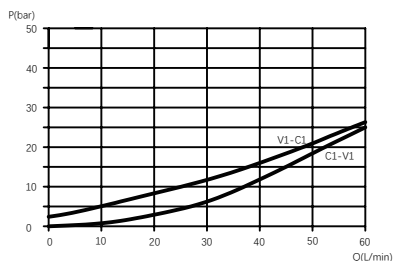
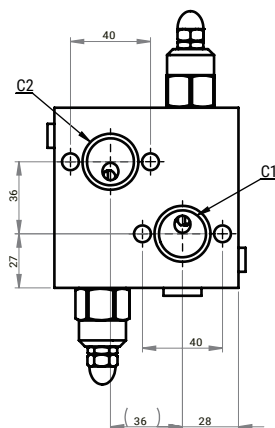
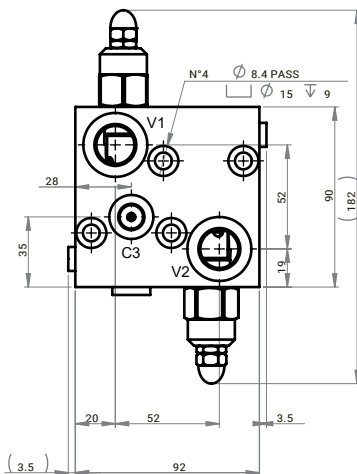
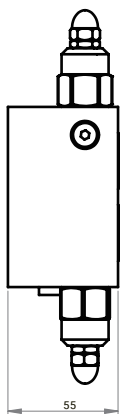
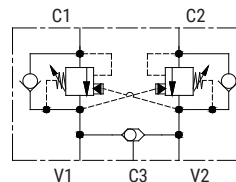
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load
 Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

NW02	A1	-	RO	.	A
Motor Motor OMP-OMR					Nominal flow Nennstrom A - 60L/min B - 30L/min

NW02B1-RO.A

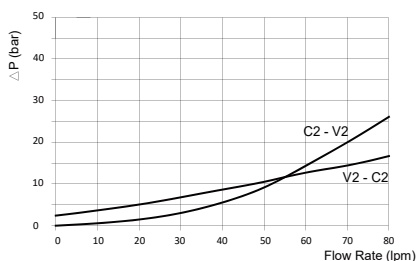
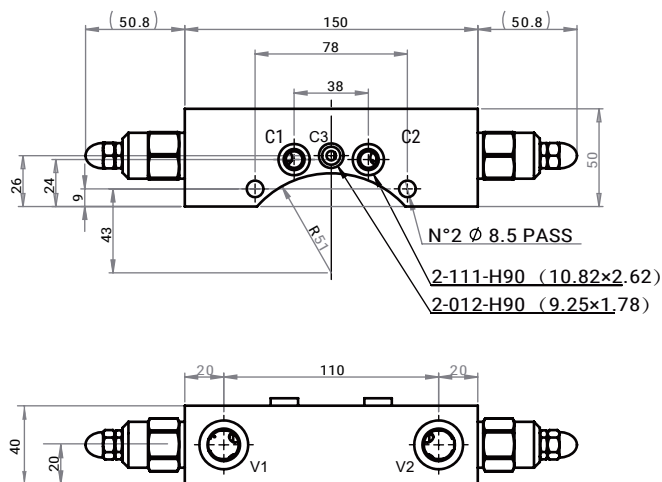
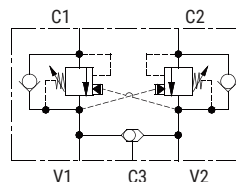
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load
 Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW02 **B1** - **RO** . **A**

Nominal flow
 Nennstrom
 A - 60L/min

NW02D1-RO.A

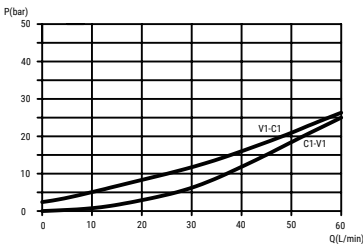
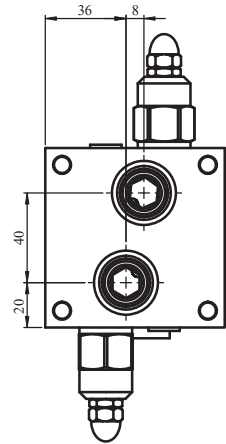
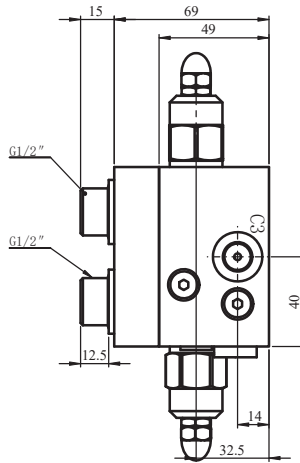
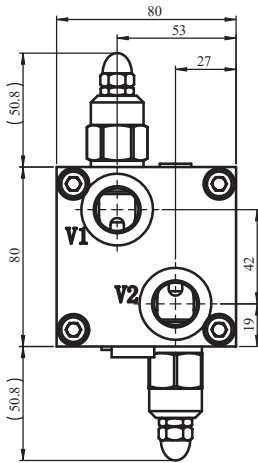
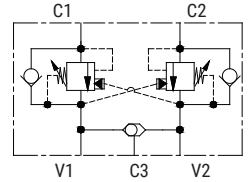
IN LINE

Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

NW02 - **D1** - **RO** . **A**

Nominal flow
Nennstrom
A - 60L/min
B - 30L/min

NW02F1-RO.A

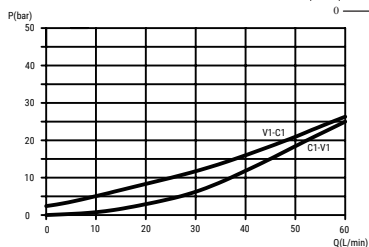
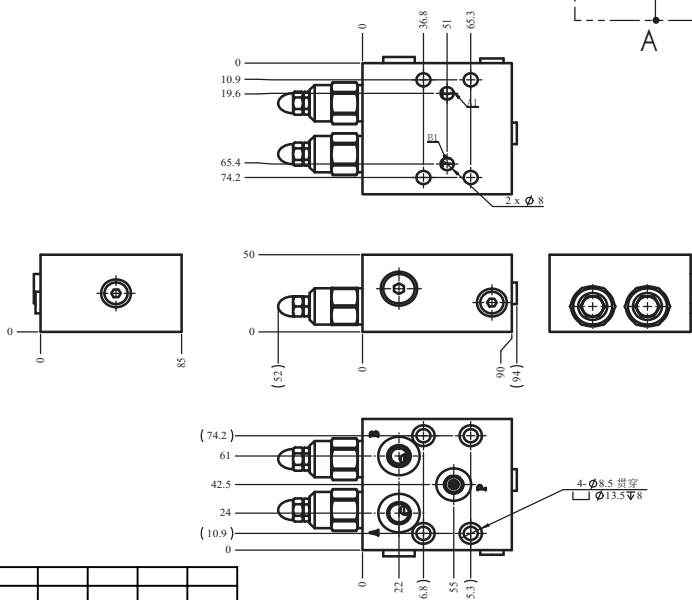
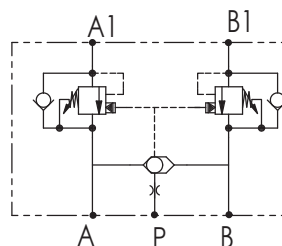
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	70bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

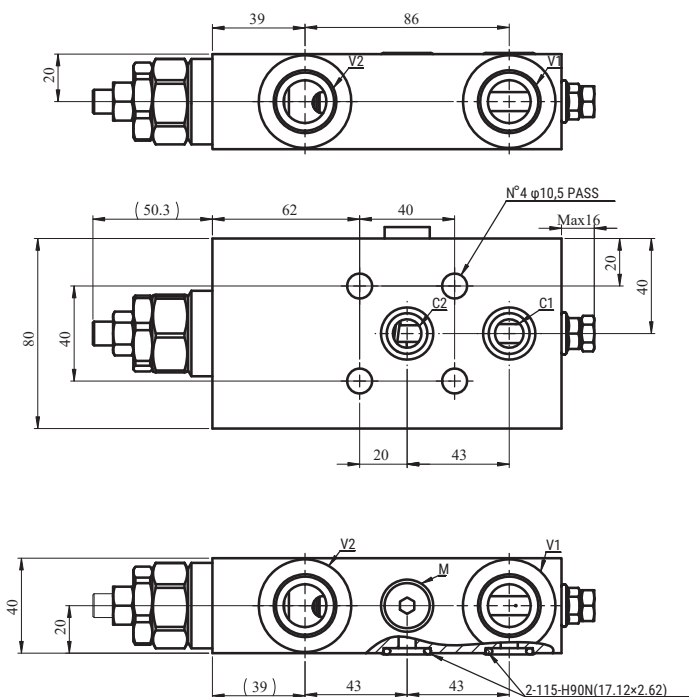
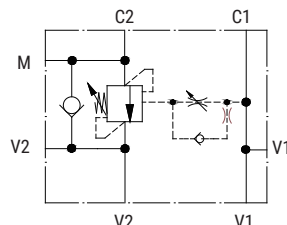
	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

NW02 **F1** - **RO** . **A**

Nominal flow
Nennstrom
A - 60L/min
B - 30L/min

Nennstrom
Maximaler Betriebsdruck
Einstellbereich
Einstelldruck
Leitquote
Material



	Ports Häfen
V1/V2	G 3/4"
M	G 1/4"

Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

0 3 4

MPC02-W-110G

Body material is optional

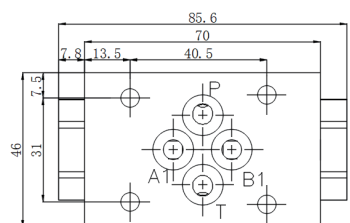
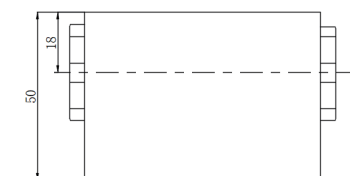
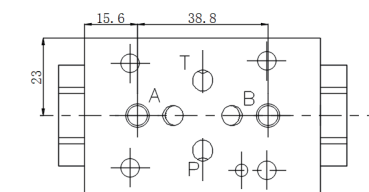
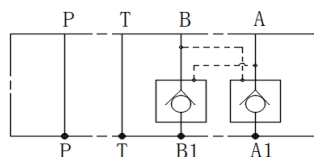
Material des Ventilkörpers ist optional

TECHNICAL DATA

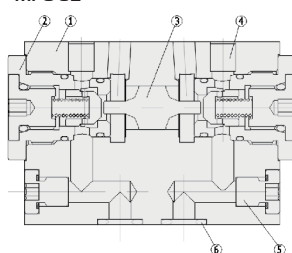
Technische Parameter

Max. flow	50L/min
Max. working pressure	320bar
Temperature range	-20 C to +50 C
Weight	1.2kg

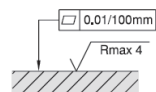
Maximaler Durchfluss
Maximaler Betriebsdruck
Temperaturbereich
Gewicht



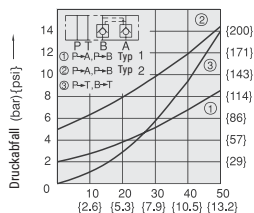
MPC-02



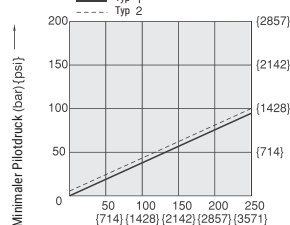
1. Ventilkörper
2. Einwegventil
3. Kolben
4. Verschlussstopfen
5. Verschlusschraube
6. O-Ring 18-P9
7. Die Installationsfläche entspricht der NG6-Spezifikation von DIN24340 (ISO4401-AB-03-4-A), Ventilbefestigungsschraube M5 Anzugsmoment 8-9Nm



Kennlinie des Druckabfalls



Minimale Pilotdruckeigenschaften



Internetverkehr {l/min} {GPM} → Kraftstoffzufuhrdruck auf der Rückseite (bar) {psi} →

ORDERING CODE Bestellcode

MPC02 - **W** - **1** **10** **G**

Structure
Struktur
w= A and B oil circuit superimposed hydraulic control check valve, pilot control A and B oil channel flow
w=A- und B-Ölkreislauf überlagertes hydraulisches Rückschlagventil, Vorsteuerung der A- und B-Ölkanalströmung

Opening Pressure
Öffnungsdruck
1 = 2 bar
2 = 5 bar

Version
Version

Corrosion resistance
Korrosionsschutz-Eigenschaften
G = The valve body is made of steel, indicating a galvanized nickel alloy
G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist

MPR02-P-120G

Body material is optional

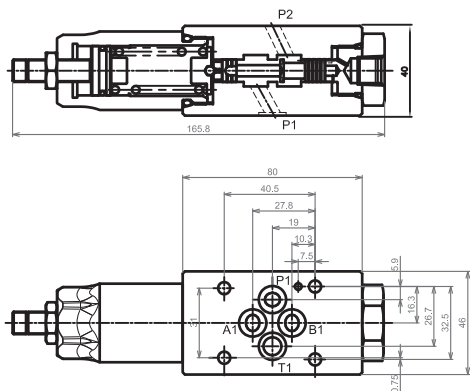
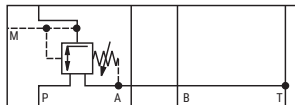
Material des Ventilkörpers ist optional

TECHNICAL DATA

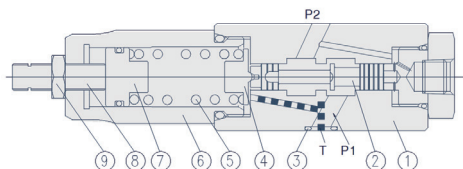
Technische Parameter

Max. flow 40L/min
Max. working pressure 320bar
Temperature range -20 °C to +50 °C
Weight 1.3kg

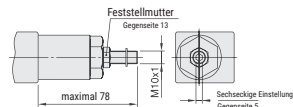
Maximaler Durchfluss
Maximaler Betriebsdruck
Temperaturbereich
Gewicht



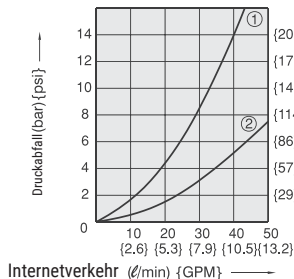
MPR-02



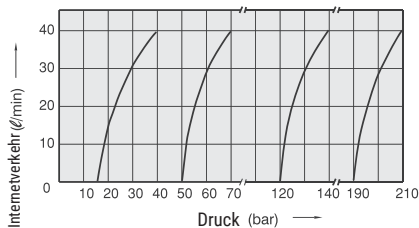
1. Ventilkörper
2. Hauptventilkern
3. Dichtungsring P9
4. Federsitz
5. Druckregelfeder
6. Ventilhülse
7. Federdichtsitz
8. Druckregelstange
9. Sperrmutter



Kennlinie des Druckabfalls



Druck versus Strömungskurve



ORDERING CODE Bestellcode

MPR02 - **P** - **1** **20** **G**

Structure
Struktur
P = P oil circuit stacked pressure reducing valve, controlling the pressure reduction of P oil circuit
P = P Ölkreislauf gestapeltes Druckreduzierventil, das die Druckreduzierung des P Ölkreislaufs steuert

Pressure Range
Druckbereich
0 = 1.5-35 bar
1 = 7-70 bar
2 = 7-140bar
3 = 7-210 bar

Regulator type
Typ des Reglers
10 = Attached pressure adjustment knob
10 = angebrachter Druckeinstellknopf

Corrosion resistance
Korrosionsschutz-Eigenschaften
G = The valve body is made of steel, indicating a galvanized nickel alloy
G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist

20 = without pressure adjustment knob (hexagon socket screw type)
20 = ohne Druckknopf (Sechskantschraube)

MPR02-P-320G

Body material is optional

Material des Ventilkörpers ist optional

TECHNICAL DATA

Technische Parameter

Max. flow

40L/min

Max. working pressure

320bar

Temperature range

-20 °C to +50 °C

Weight

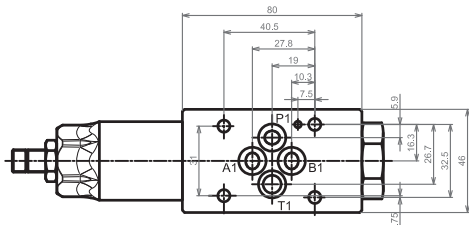
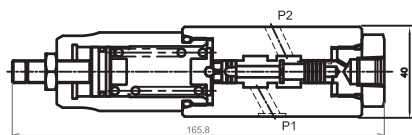
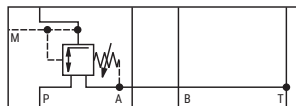
1.3kg

Maximaler Durchfluss

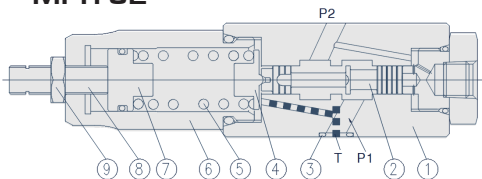
Maximaler Betriebsdruck

Temperaturbereich

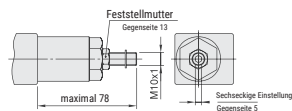
Gewicht



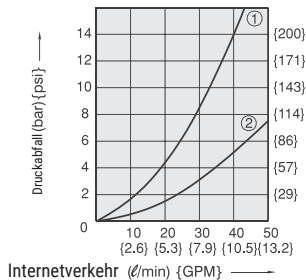
MPR-02



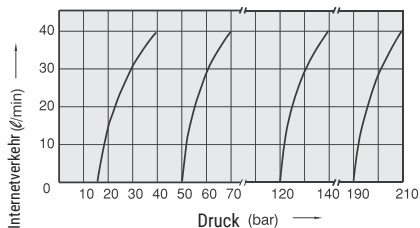
1. Ventilkörper
2. Hauptventilkern
3. Dichtungsring P9
4. Federsitz
5. Druckregelfeder
6. Ventilhülse
7. Federdichtsitz
8. Druckregelstange
9. Sperrmutter



Kennlinie des Druckabfalls



Druck versus Strömungskurve



ORDERING CODE Bestellcode

MPR02 - **P** - **3** **20** **G**

Structure
Struktur
P = P oil circuit stacked pressure reducing valve, controlling the pressure reduction of P oil circuit
P = P Ölkreislauf gestapeltes Druckreduzierventil, das die Druckreduzierung des P Ölkreislaufs steuert

Pressure Range
Druckbereich
0 = 1.5-35 bar
1 = 7-70 bar
2 = 7-140bar
3 = 7-210 bar

Regulator type
Typ des Reglers
10 = Attached pressure adjustment knob
10 = angebrachter Druckeinstellknopf

20 = without pressure adjustment knob (hexagon socket screw type)
20 = ohne Druckknopf (Sechskantschraube)

Corrosion resistance
Korrosionsschutz-Eigenschaften
G = The valve body is made of steel, indicating a galvanized nickel alloy
G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist

MRV02-A-420G

Body material is optional

Material des Ventilkörpers ist optional

TECHNICAL DATA

Technische Parameter

Max. flow

50L/min

Maximaler Durchfluss

Max. working pressure

320bar

Maximaler Betriebsdruck

Temperature range

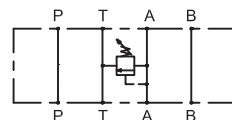
-20 °C to +50 °C

Temperaturbereich

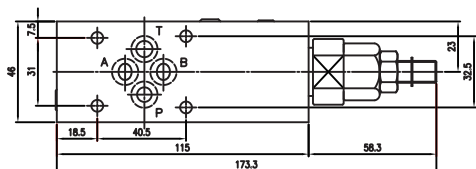
Weight

1.6kg

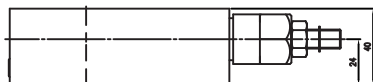
Gewicht



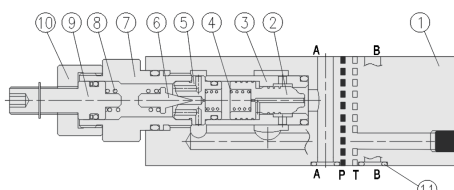
MRV-02A



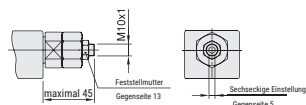
Elektromagnetische Ventiloberfläche



Oberfläche der Öldruckpumpe

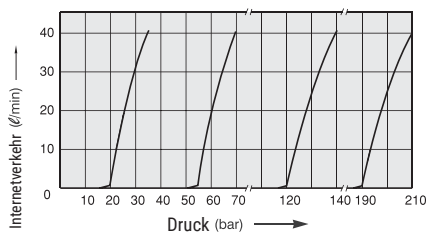
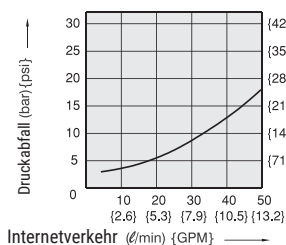


1. Ventilkörper
2. Hauptventilkern
3. Hauptventilhülse
4. Feder zurücksetzen
5. Steuerventilsitz
6. Steuerventilkern
7. Ventilhülse
8. Druckregelfeder
9. Einstellstange
10. Feststellmutter
11. Dichtungsring P9



Minimaler geregelter Druck gegenüber Durchflusskurve

Druck versus Strömungskurve



ORDERING CODE Bestellcode

MRV02	-	A	-	4		20		G
		Structure Struktur			Pressure Range Druckbereich			Corrosion resistance Korrosionsschutz-Eigenschaften
		A = A oil circuit superimposed relief valve, control A oil circuit, overflow to T circuit A = Ein Überdruckventil des Ölkreislaufs, Steuerung des Ölkreislaufs A, Überlauf zum Ölkreislauf T			0 = 7-35 bar 1 = 7-70 bar 2 = 7-140bar 3 = 7-210 bar 4 = 7-320 bar			G = The valve body is made of steel, indicating a galvanized nickel alloy G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist
					Regulator type Typ des Reglers			
					10 = Attached pressure adjustment knob 10 = angebrachter Druckeinstellknopf			
					20 = without pressure adjustment knob (hexagon socket screw type) 20 = ohne Druckknopf (Sechskantschraube)			

MRV02-P-420G

Body material is optional

Material des Ventilkörpers ist optional

TECHNICAL DATA

Technische Parameter

Max. flow

50L/min

Maximaler Durchfluss

Max. working pressure

320bar

Maximaler Betriebsdruck

Temperature range

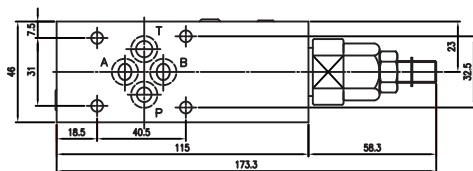
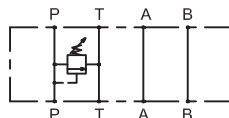
-20 °C to +50 °C

Temperaturbereich

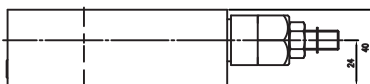
Weight

1.5kg

Gewicht

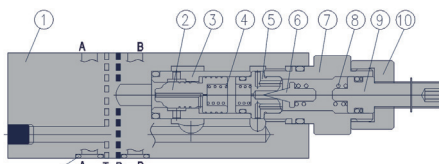


Elektromagnetische Ventiloberfläche

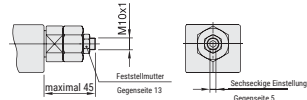


Oberfläche der Öldruckpumpe

MRV-02P

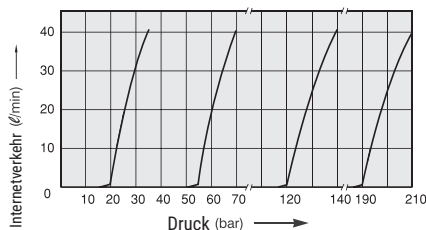
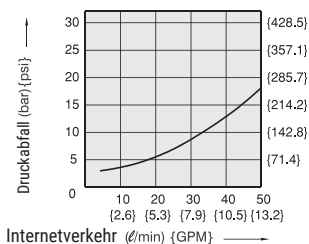


1. Ventilkörper
2. Hauptventilkern
3. Hauptventilhülse
4. Feder zurückspringen
5. Steuerventilsitz
6. Steuerventilkern
7. Ventilhülse
8. Druckregelfeder
9. Einstellstange
10. Feststellmutter
11. Dichtungsring P9



Minimaler geregelter Druck gegenüber Durchflusskurve

Druck versus Strömungskurve



ORDERING CODE Bestellcode

MRV02 - **P** - **4** **20** **G**

Structure
Struktur
P = P oil circuit stacked pressure reducing valve, controlling the pressure reduction of P oil circuit
P = P Ölkreislauf gestapeltes Druckreduzierventil, das die Druckreduzierung des P Ölkreislaufs steuert

Pressure Range
Druckbereich
0 = 7-35 bar
1 = 7-70 bar
2 = 7-140 bar
3 = 7-210 bar
4 = 7-320 bar

Regulator type
Typ des Reglers
10 = Attached pressure adjustment knob
10 = angebrachter Druckeinstellknopf

20 = without pressure adjustment knob (hexagon socket screw type)
20 = ohne Druckknopf (Sechskantschraube)

Corrosion resistance
Korrosionsschutz-Eigenschaften
G = The valve body is made of steel, indicating a galvanized nickel alloy
G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist

MTC02-W-O20G

Body material is optional

Material des Ventilkörpers ist optional

TECHNICAL DATA

Technische Parameter

Max. flow

Max. working pressure

Temperature range

Weight

50L/min

320bar

-20 °C to +50 °C

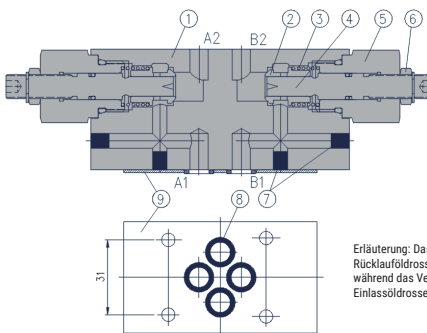
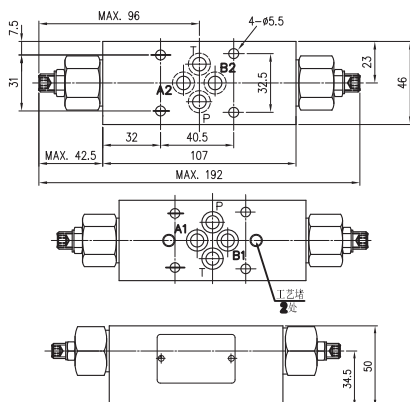
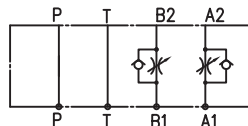
1.2kg

Maximaler Durchfluss

Maximaler Betriebsdruck

Temperaturbereich

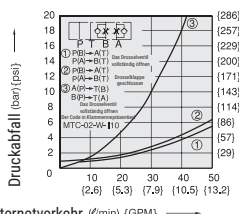
Gewicht



1. Ventilkörper
2. Einseitiger Ventilkern
3. Ventilkernfeder
4. Einstellhebel
5. Ventilhülse
6. Sicherungsmutter
7. Verschlussverstopfung
8. Dichtungsring P9
9. Übermäßige Dichtungsplatte

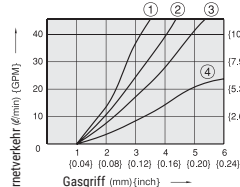
Erläuterung: Das Ventil ist für die Rücklaufdrosselung installiert, während das Ventil für die Einlassdrosselung installiert ist.

Kennlinie des Druckabfalls

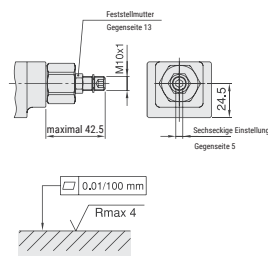


Internetverkehr (l/min) (GPM) →

Drosselhub versus Strömungskurve



- ① Druckeinstellung = 140 bar (2000psi)
- ② Druckeinstellung = 70 bar (1000psi)
- ③ Druckeinstellung = 35 bar (500psi)
- ④ Druckeinstellung = 10 bar (143psi)



ORDERING CODE Bestellcode

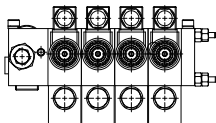
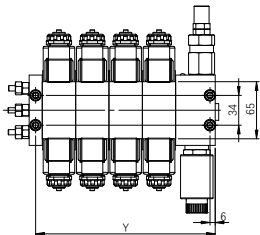
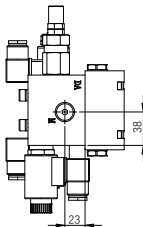
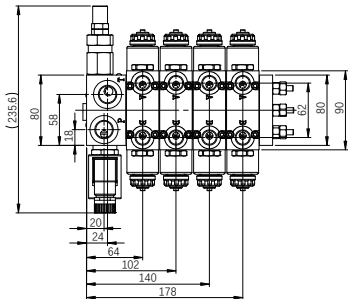
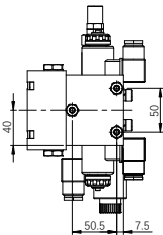
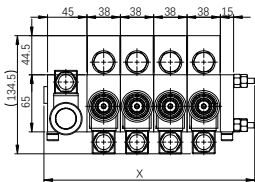
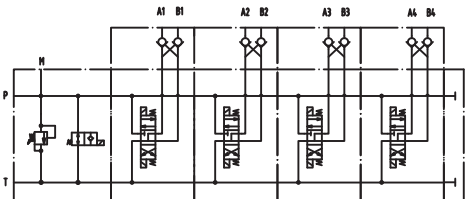
MTC02	-	W	-	O	20	G
Structure Struktur w = A and B oil circuit superimposed hydraulic control check valve, pilot control A and B oil channel flow w = A- und B-Ölkreislauf überlagertes hydraulisches Rückschlagventil, Vorsteuerung der A- und B-Ölkanalströmung		Pressure Range Druckbereich O=outlet throttling, control outlet flow rate O=Auslassdrosselung, Regeldurchfluss des Auslasses I=Inlet throttling, controlling inlet flow rate I=Einlassdrosselung, Regelung des Einlassvolumens		Regulator type Typ des Reglers 10 = Attached pressure adjustment knob 10 = angebrachter Druckeinstellknopf 20 = without pressure adjustment knob (hexagon socket screw type) 20 = ohne Druckknopf (Sechskantschraube)		Corrosion resistance Korrosionsschutz- Eigenschaften G = The valve body is made of steel, indicating a galvanized nickel alloy G = Der Ventilkörper besteht aus Stahl, was eine verzinkte Nickellegierung hinweist

ST-30 series

TECHNICAL DATA

Technische Parameter

Max. flow	35L/min	Maximaler Durchfluss
Max. pressure	250bar	Höchstdruck
Relief valve Setting pressure	160bar	Einstelldruck des Überlassventils
Body Material	Cast Iron	Material

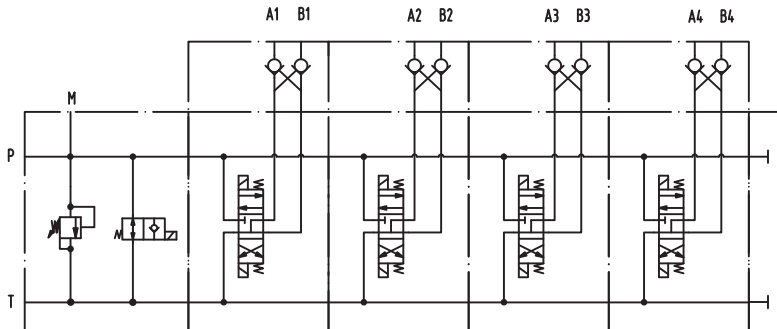


Anzahl der Arbeitspaare Working section	X (mm)	Y (mm)
1	126	90
2	164	128
3	202	166
4	240	204
5	278	242
6	316	280
7	354	318
8	392	356

The product model shown in the diagram is: ST30-4-A1G12160-4x1B2-0-2400N
Das im Diagramm gezeigte Produktmodell ist: ST30-4-A1G12160-4x1B2-0-2400N

ST-30 series

ORDERING CODE Bestellcode



e.g.

ST30 - **4** - **A** **1** **G12** **160** - **2** * **1** **A** **2** - ... - **0** - **12** **00** **N**

Fill in the remaining work sheets in order starting from the first sheet
 Füllen Sie die restlichen Arbeitsblätter in der Reihenfolge ab dem ersten Blatt aus

serial number
 ST30: Flow rate 30lpm
 Seriennummer
 ST30: Durchflussmenge 30lpm

Number of Work Couples: 4 Work Couplets
 Anzahl der Arbeitspakete: 4 Arbeitspakete

First type A: Standard (overflow valve)
 B: Equipped with proportional flow compensation function
 Erster Typ: A: Standard (Überlaufventil)
 B: Ausgestattet mit proportionaler Durchflusskompensation

Is it equipped with an electromagnetic valve
 1: Equipped with electromagnetic loading valve
 Ist es mit einem elektromagnetischen Ventil ausgestattet
 1: Ausgestattet mit elektromagnetischem Ladeventil

P/T oil port specifications
 G12:G 1/2"
 P/T Ölschlussspezifikationen
 G12:G 1/2"

Overflow valve pressure setting
 160:160bar
 000: No overflow valve
 Druckeinstellung des Überlassventils
 160:160bar
 000: Kein Überlaufventil

Same number of working pairs
 1: 1 link; 2: 2 pairs;; 8: 8 links
 Gleiche Anzahl Arbeitspaare
 1: 1 Link, 2: 2 Link,; 8: 8 Links

Valve core function
 1: O-type
 2: Y-shaped
 Ventilkernfunktion
 1: O-Typ
 2: Y-förmig

Auxiliary functions
 0: None
 B: check valve
 Hilfsfunktionen
 0: Keine
 B: hydraulische Verriegelung

Auxiliary function location
 0: None
 2: A and B
 A: Position A
 B: Location B
 Standort der Hilfsfunktion
 0: Keine
 2: A und B
 A: Position A
 B: Ort B

Sealing material
 N: Nitrile rubber
 Dichtungsmaterial
 N: Nitrilkauschuk

Coil plug
 00: DIN43650
 08: DEUTSCHDT04-2P
 Spulenstecker
 00: DIN43650
 08: DEUTSCHDT04-2P

Coil Voltage
 24:24VDC
 12:12VDC
 Spulenspannung
 24:24VDC
 12:12VDC

Tail link
 0: Standard, closed cover plate
 T: With T-port
 P: With P port
 Endglied
 0: Standard, geschlossene Abdeckplatte
 T: Mit T-Anschluss
 P: Mit P-Port

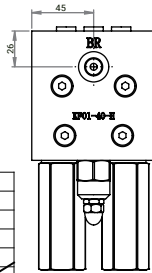
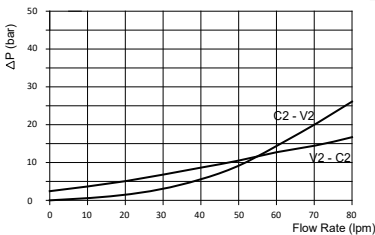
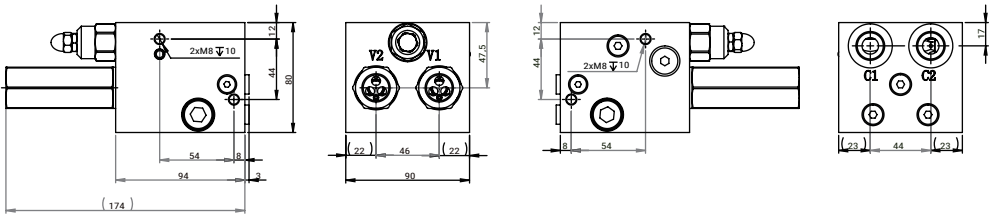
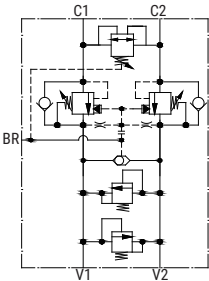
KF01-40-H

- Motion control, dual setting, with brake release port Bewegungssteuerung, doppelte Einstellung, eingebauter Bremsdekompressionsanschluss
- Start with high pressure, brake with low pressure Hochdruckanfahen, Niederdruckbremsen
- With safety relief valve Kommt mit einem Sicherheitsventil

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	350bar	Maximaler Arbeitsdruck
Overcenter valve Setting pressure	130bar	Einstelldruck des Ausgleichsventils
Buffer relief valve Setting pressure	60bar~130bar (Setting 100bar)	Einstelldruck des Pufferüberlaufventils
Safety relief valve Setting pressure	140bar	Einstelldruck des Sicherheitsventils
Pilot ratio	4.25:1	Leitquote
Body Material	Steel	Material



	Ports Häfen
V1/V2/C1/C2	G 1/2"
BR	G 1/4"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F	0 1	-	40	-	H
-----	-----	---	----	---	---

H-with safety relief valve

H-Kommt mit einem Sicherheitsventil

KF02A1

Adjustable pilot ratio Angepasstes Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	See ordering code Siehe Bestellcode	Nennstrom
Max. working pressure	450bar	Maximaler Arbeitsdruck
Overcenter valve Setting pressure	See table 1 siehe Tabelle 1	Einstelldruck des Ausgleichsventils
Geometric pilot ratio	5.3:1	Geometrisches Steigungsverhältnis
Actual pilot ratio	See table 2 siehe Tabelle 2	Tatsächliches Steigungsverhältnis
Body Material	Steel Stahl	Material

	Ports Häfen
V	G 1/2"
R	G 3/8"
Z/M/PIL	G 1/4"

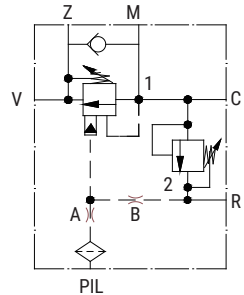
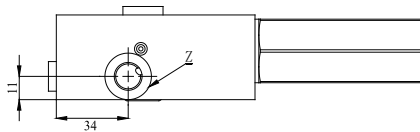
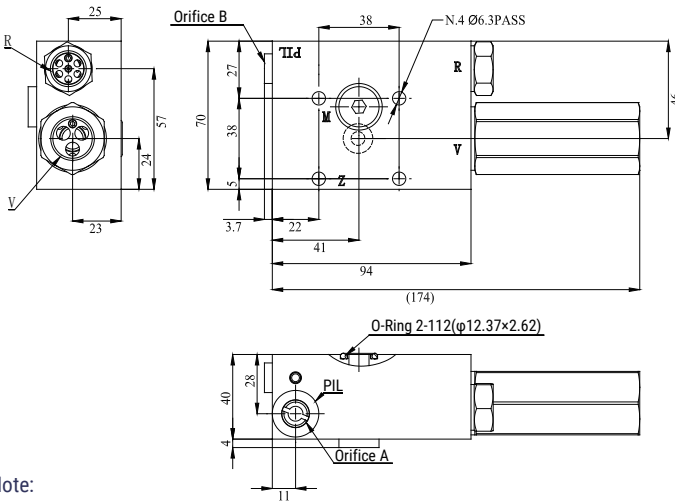


TABLE 1 Tabelle 1

valve 1	valve 2
0: 300bar	0: 300bar
2: 320bar	2: 320bar
4: 340bar	4: 340bar
6: 360bar	6: 360bar
8: 380bar	8: 380bar
X: 400bar	X: 400bar
Y: 420bar	Y: 420bar
Z: 440bar	Z: 440bar

TABLE 2 Tabelle 2

φ A	φ B	PIL
4: φ0.4	5: φ0.5	1.54
	6: φ0.6	0.87
	7: φ0.7	0.51
	8: φ0.8	0.31
5: φ0.5	5: φ0.5	2.65
	6: φ0.6	1.72
	7: φ0.7	1.09
	8: φ0.8	0.70



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02	A 1	-	40	-	N	.	56	.	88
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Nominal flow Nennstrom

16 - 16L/min
25 - 25L/min
40 - 40L/min
60 - 60L/min
80 - 80L/min

Pilot ratio

Leitquote
See table 2
siehe Tabelle 2

Setting Pressure

Einstelldruck
See table 1
siehe Tabelle 1

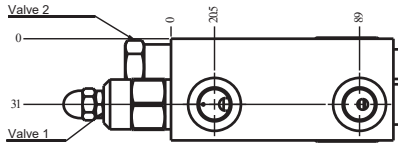
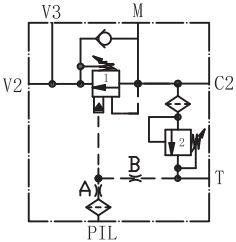
KF02A2-60

Adjustable pilot ratio Angepasstes Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	450bar	Maximaler Arbeitsdruck
Overcenter valve Setting pressure	See table 1 siehe Tabelle 1	Übermittiges Ventil Einstelldruck
Pilot ratio	5.3:1	Pilotverhältnis
Actual pilot ratio	See table 2 siehe Tabelle 2	Tatsächliches Pilotenverhältnis
Body Material	Steel Stahl	Material



Ports Häfen	
T	G 3/8"
V2/V3/PIL	M16*1.5

TABLE 1 Tabelle 1

valve 1	valve 2
0: 300bar	0: 300bar
2: 320bar	2: 320bar
4: 340bar	4: 340bar
6: 360bar	6: 360bar
8: 380bar	8: 380bar
X: 400bar	X: 400bar
Y: 420bar	Y: 420bar
Z: 440bar	Z: 440bar

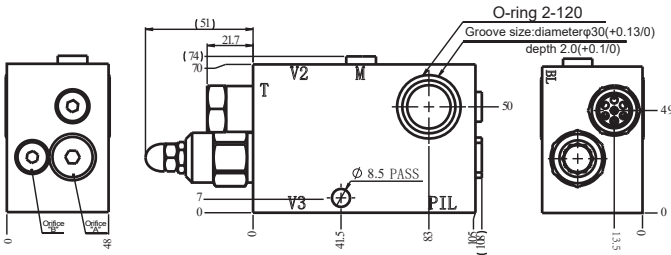


TABLE 2 Tabelle 2

φ A	φ B	Actual PIL
4: φ0.4	5: φ0.5	1.54
	6: φ0.6	0.87
	7: φ0.7	0.51
	8: φ0.8	0.31
5: φ0.5	5: φ0.5	2.65
	6: φ0.6	1.72
	7: φ0.7	1.09
	8: φ0.8	0.70

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02	A 2	-	60	-	55	Y 8
--------	-----	---	----	---	----	-----

Pilot
ratio
Leitquote
See table 2
siehe Tabelle 2

Setting Pressure
Einstelldruck
See table 1
siehe Tabelle 1

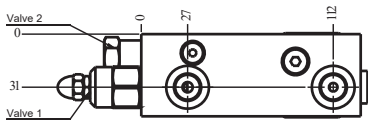
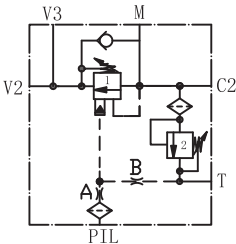
KF02A2-90

Adjustable pilot ratio Angepasstes Pilotverhältnis

TECHNICAL DATA

Technische Parameter

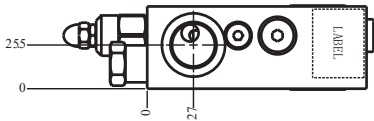
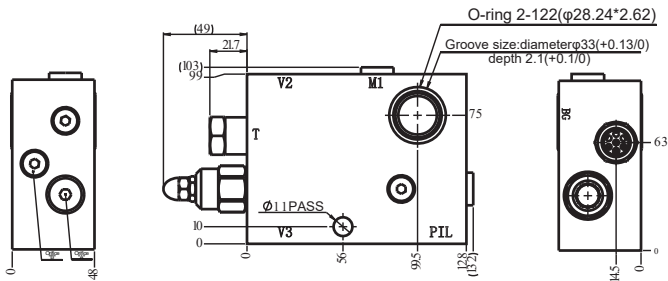
Nominal flow	90L/min	Nennstrom
Max. working pressure	450bar	Maximaler Arbeitsdruck
Overcenter valve Setting pressure	See table 1 siehe Tabelle 1	Übermittiges Ventil Einstelldruck
Pilot ratio	5.3:1	Pilotverhältnis
Actual pilot ratio	See table 2 siehe Tabelle 2	Tatsächliches Pilotenverhältnis
Body Material	Steel Stahl	Material



	Ports Häfen
T	G 3/8"
V3/PIL	M16*1.5
V2	M27*2

TABLE 1 Tabelle 1

valve 1	valve 2
0: 300bar	0: 300bar
2: 320bar	2: 320bar
4: 340bar	4: 340bar
6: 360bar	6: 360bar
8: 380bar	8: 380bar
X: 400bar	X: 400bar
Y: 420bar	Y: 420bar
Z: 440bar	Z: 440bar



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

TABLE 2 Tabelle 2

φ A	φ B	actual PIL
4: φ0.4	5: φ0.5	1.54
	6: φ0.6	0.87
	7: φ0.7	0.51
	8: φ0.8	0.31
5: φ0.5	5: φ0.5	2.65
	6: φ0.6	1.72
	7: φ0.7	1.09
	8: φ0.8	0.70

ORDERING CODE Bestellcode

K F 02	A 2	-	90	-	55	.	Y 8
--------	-----	---	----	---	----	---	-----

Pilot
ratio
Leitquote
See table 2
siehe Tabelle 2

Setting Pressure
Einstelldruck
See table 1
siehe Tabelle 1

KF02C1-40

With adjustable pilot ratio Mit einstellbarem

TECHNICAL DATA

Technische Parameter

Nominal flow 60L/min
Max. working pressure 350bar
Setting pressure range 60-370bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Maximaler Arbeitsdruck
Einstellung des Druckbereichs
Leitquote
Material

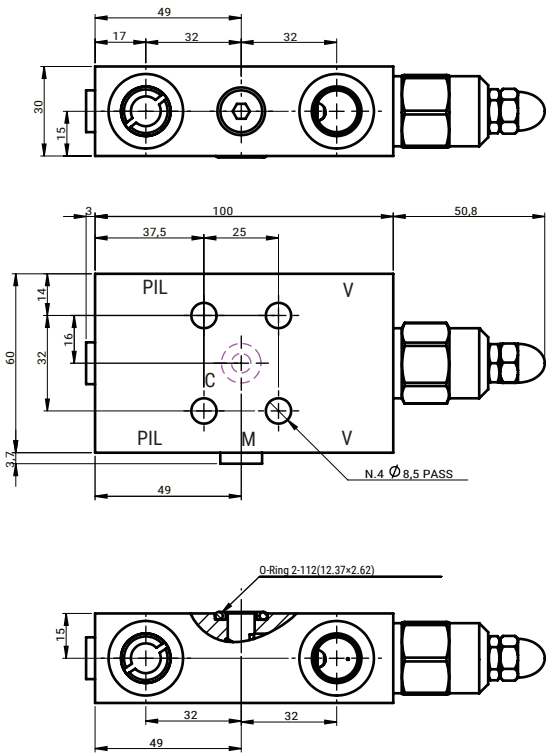
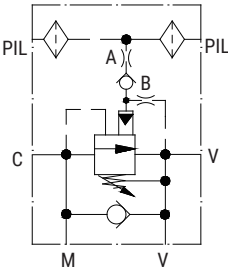
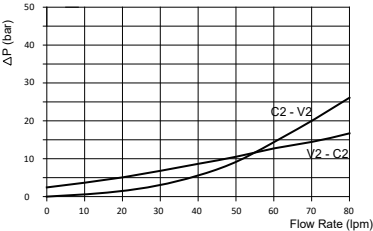


TABLE 1 Tabelle 1

Orifice A	Orifice B
4: $\varnothing 0.4$	8: $\varnothing 0.8$
5: $\varnothing 0.5$	
6: $\varnothing 0.6$	
7: $\varnothing 0.7$	
8: $\varnothing 0.8$	

Ports Häfen	
C1/C2	$\varnothing 9$
V1/V2	G 3/8"
M	G 1/8"



ORDERING CODE Bestellcode

K F 02 **C 1** - **4 0** - **6 8**

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

Orifice configuration
Öffnungskonfigu-
ration
See table 1
siehe Tabelle 1

KF02B1-40

With adjustable pilot ratio
Mit angepasstem

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	160-370bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material

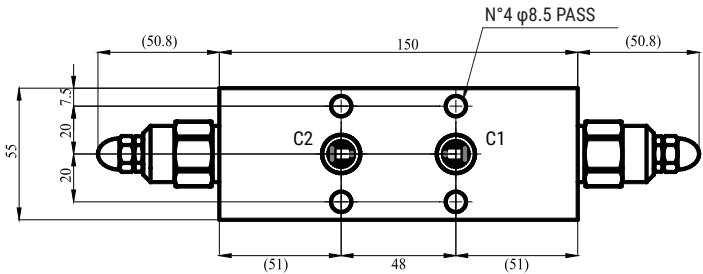
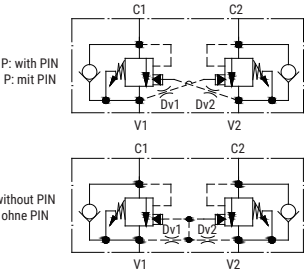


TABLE 1 Tabelle 1

DV1	DV2
6: φ0.6	6: φ0.6
7: φ0.7	7: φ0.7
8: φ0.8	8: φ0.8
9: φ0.9	9: φ0.9
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

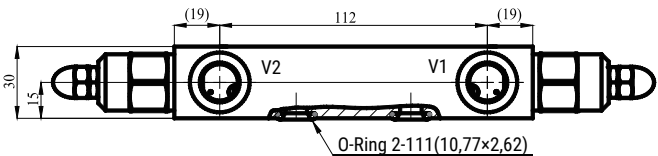
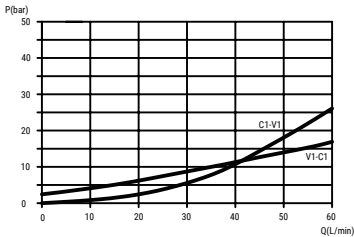


TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min



Note:
Anmerkung
Pressure setting must be 30% higher than
pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher
sein als der Druck, der durch die
maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02 B 1 - 4 0 - N . 8 9 . N N

PIN
P-with(mit)
N-without(ohne)

Orifice
configuration
Konfiguration
der Dämpfung
See table 1
siehe Tabelle 1

Limit of flow
Durch-
flussgrenzwerte
See table 2
siehe Tabelle 2

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

CBFD.000.41.A03

FLANGED MOUNTING 40x48

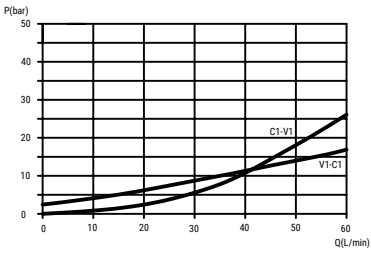
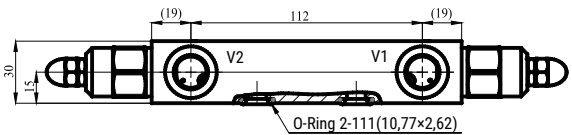
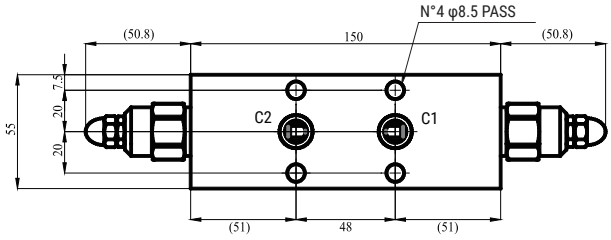
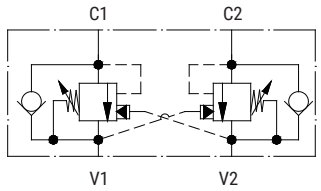
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 60L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . **000** . **4** **1** . **A** **03**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
03 - G 3/8"

Herkömmliche hydraulische Schleuse
DUAL PILOT OPERATED CHECK VALVE
Dual Pilot betriebtes Rückschlagventil
PCFD.001.78.A03



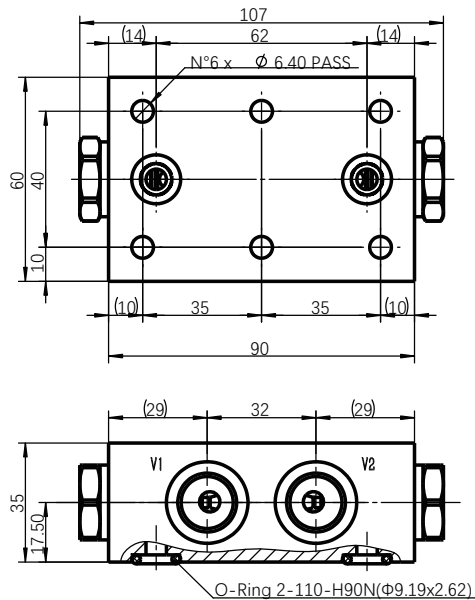
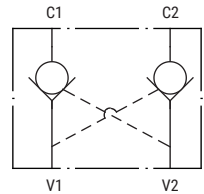
FLANGED MOUNTING 40x70
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow
Max. working pressure
Cracking pressure
Pilot ratio
Body Material

30L/min
350bar
8bar
7:1
Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Öffnungsdruck
Leitquote
Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCFD	001	7	8	A	03
		Pilot ratio Leitquote 7 - 7:1	Cracking Pressure Öffnungs- druck 8 - 8 bar		Ports Häfen 03 - G 3/8"

PCFD.A02.78.A03

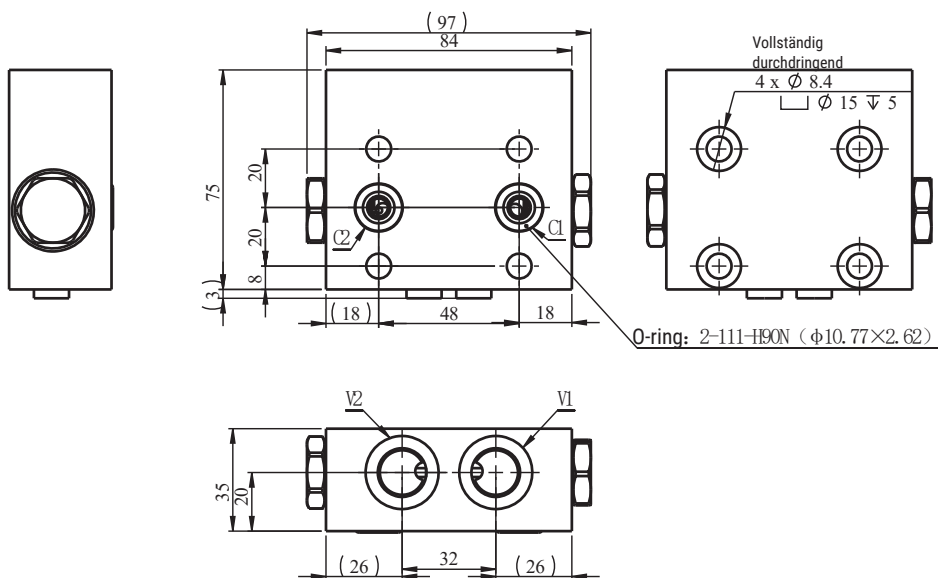
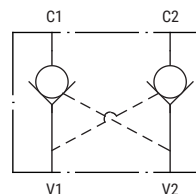
FLANGED MOUNTING 40x48

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	8bar	Öffnungsdruck
Pilot ratio	7:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCFD . A02 . 7 . 8 . A . 03

Pilot ratio
Leitquote
7-7:1

Cracking
Pressure
Öffnungs-
druck
8-8 bar

Ports
Häfen
03-G 3/8"

CBFD.000.41.A04

FLANGED MOUNTING 40x48

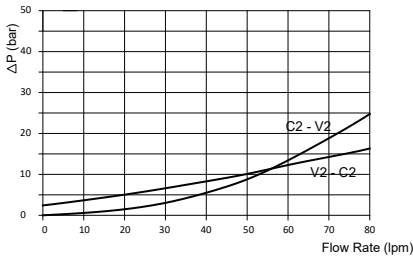
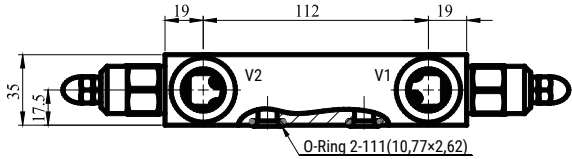
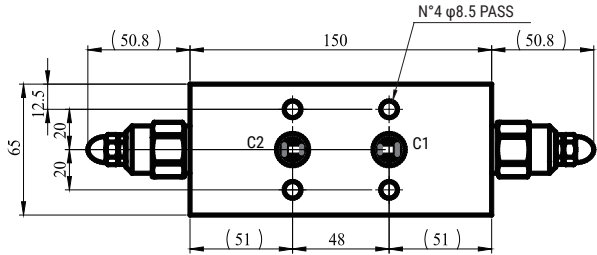
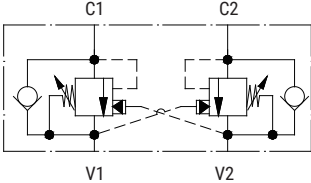
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 80L/min
Spring range 160~350bar
Max. working pressure 350bar
Setting pressure 350bar
Pilot ratio 4.25:1
Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . 000 . 4 . 1 . A . 04

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
04 - G 1/2"

	Ports Häfen
C1/C2	φ9
V1/V2	G 1/2"

CBFD.H00.51.A04

FLANGED MOUNTING 40x48

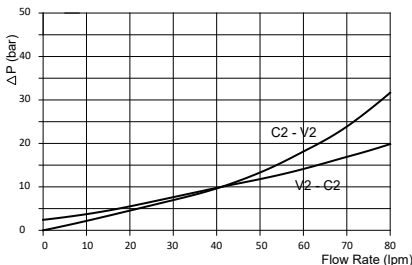
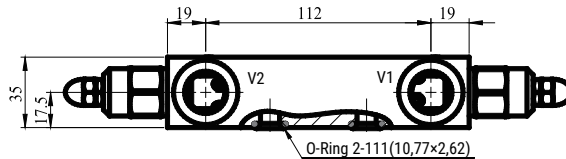
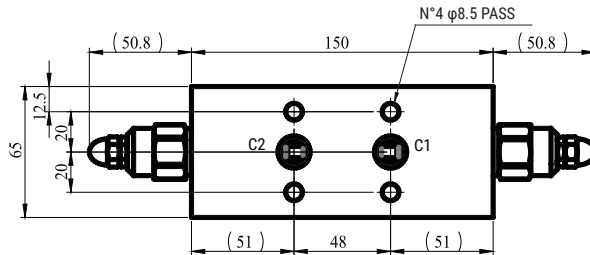
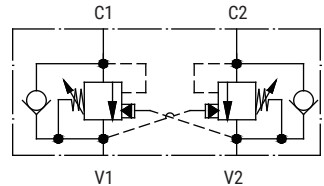
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 80L/min
Spring range 200~350bar
Max. working pressure 450bar
Setting pressure 420bar
Pilot ratio 5.3:1
Body Material Steel Stahl

Nennstrom
Federdruckbereich
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 1/2"

ORDERING CODE Bestellcode

CBFD . H00 . 5 . 1 . A . 04

Pilot ratio
Leitquote
5 - 5.3:1

Ports
Häfen
04 - G 1/2"

KF02A3-80

FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Max. flow

60L/min

Maximaler Durchfluss

Max. working pressure

450bar

Maximaler Arbeitsdruck

Pilot ratio

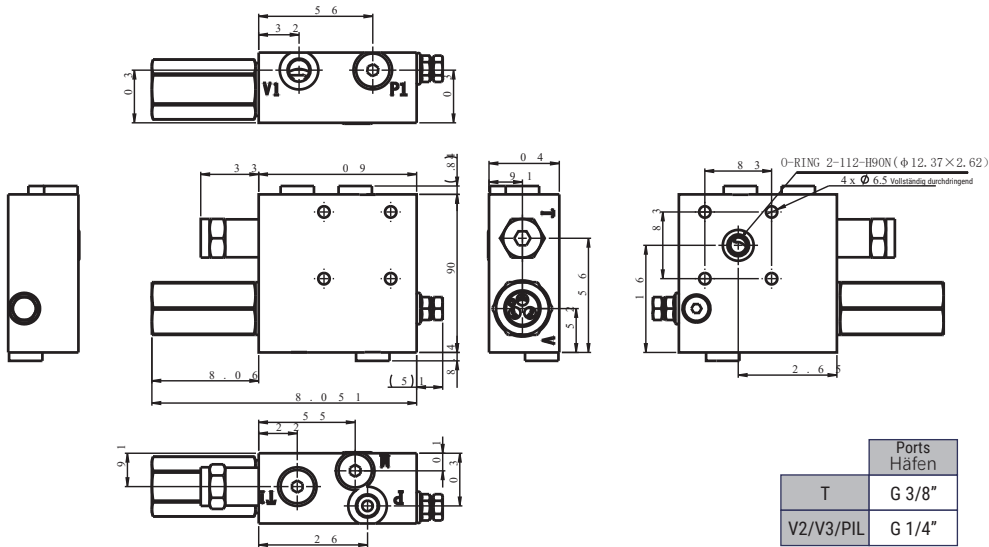
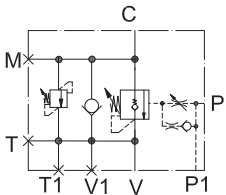
1:0

Leitquote

Body Material

Steel Stahl

Material



Ports Häfen	
T	G 3/8"
V2/V3/PIL	G 1/4"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02

A 3

-

80

PG02-034

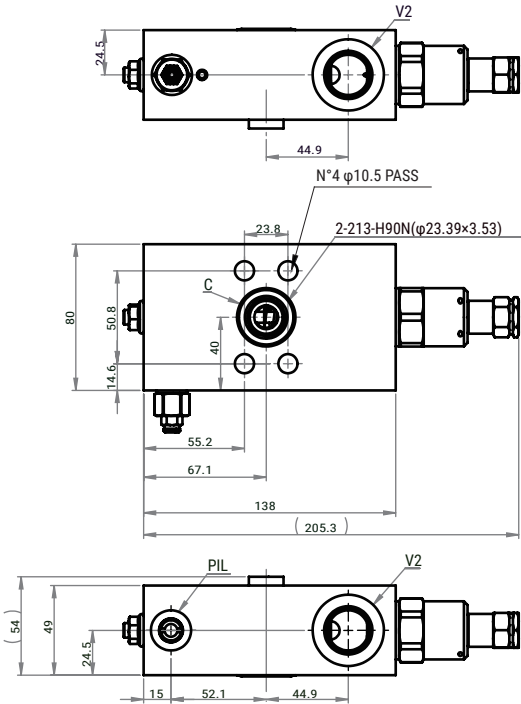
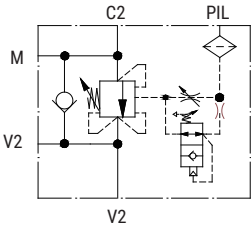
FLANGED MOUNTING SAE 3/4" 6000PSI

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	120L/min	Nennstrom
Max. flow	150L/min	Maximaler Durchfluss
Max. working pressure	350bar	Maximaler Arbeitsdruck
Setting range	200-350bar	Einstellbereich
Setting pressure	350bar	Einstelldruck
Pilot ratio	6.2:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
C2	SAE 3/4" 6000PSI
V2	G 3/4"
PIL	G 1/4"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

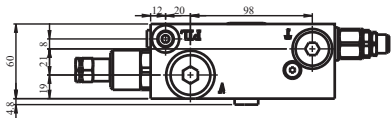
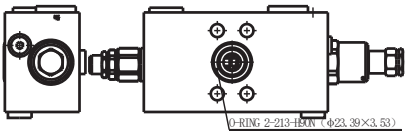
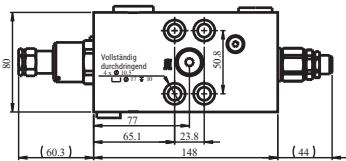
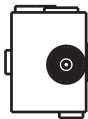
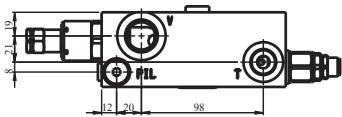
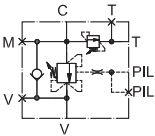
P G 0 2 - 0 3 4

PG02R-034

FLANGED MOUNTING SAE 1" 6000PSI
Flanschmontage

TECHNICAL DATA Technische Parameter

Max. flow	240L/min	Nenndurchsatz
Setting range	160-350bar	Druckbereich einstellen
Setting pressure	350bar	Einstelldruck
Pilot ratio	6.2:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
V	G 3/4"
T	G 1/2"
PIL	G 1/4"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

PG02R

-

034

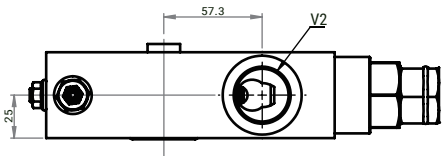
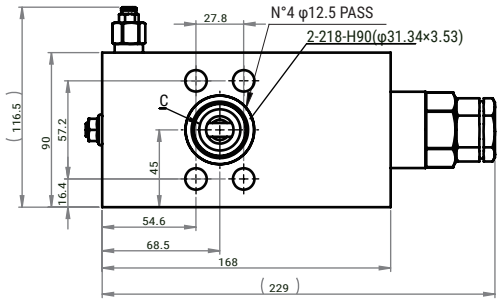
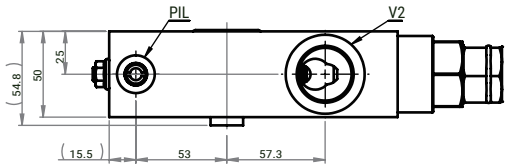
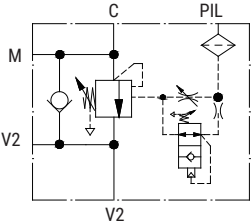
PG02-100

FLANGED MOUNTING SAE 1" 6000PSI
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	250L/min	Nenndurchsatz
Max. flow	300L/min	Maximaler Durchfluss
Max. working pressure	350bar	Maximaler Arbeitsdruck
Setting range	200-350bar	Einstellbereich
Pilot ratio	8:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
C	SAE 1" 6000psi
V2	G 1"
PIL	G 1/4"

ORDERING CODE Bestellcode

P G 0 2 - 1 0 0

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

PG02A2-100

FLANGED MOUNTING

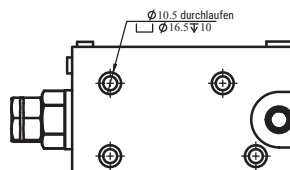
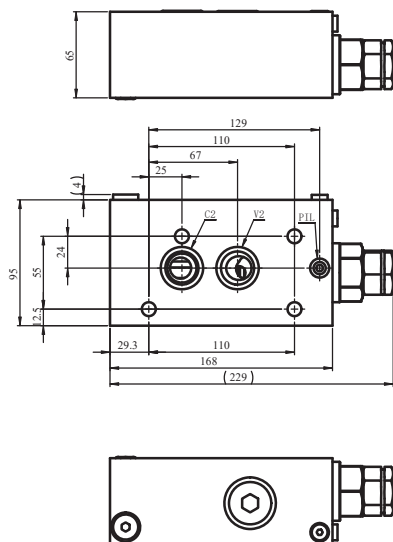
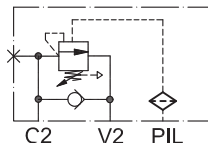
Flanschmontage

TECHNICAL DATA

Technische Parameter

Rated flow	250L/min
Setting range	200-350bar
Setting pressure	350bar
Pilot ratio	8:1
Body Material	Steel Stahl

Nenndurchsatz
Einstellbereich
Einstelldruck
Leitquote
Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

PG02A2

-

100

KF04D1-30-L

FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow

30L/min

Setting pressure

350bar

Setting pressure range

120bar-350bar

Pilot ratio

4.25:1

Body Material

Steel Stahl

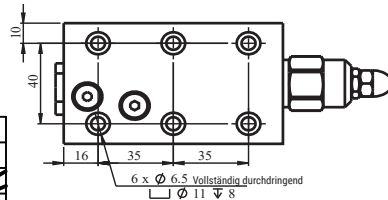
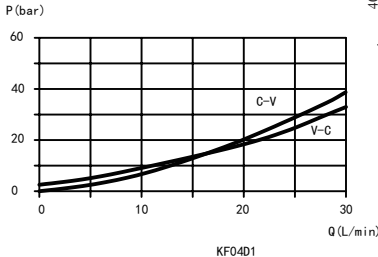
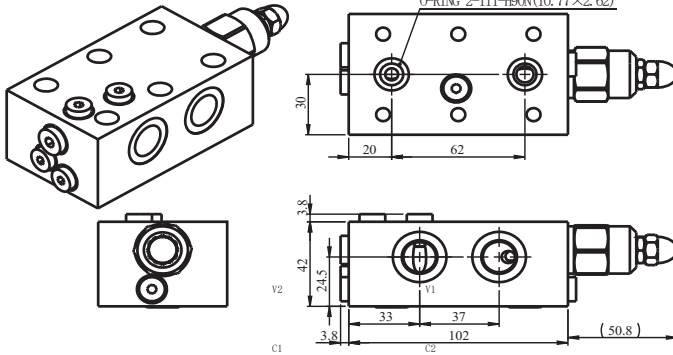
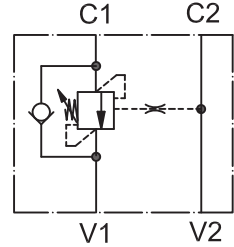
Nennstrom

Einstellbereich

Einstell-Druckbereich

Leitquote

Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF04	D1	-	30	-	L
------	----	---	----	---	---

Ports Häfen	
V1/V2	G 3/8"

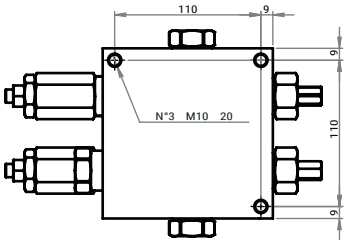
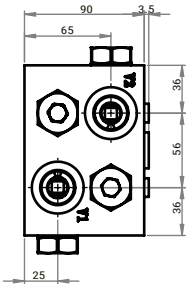
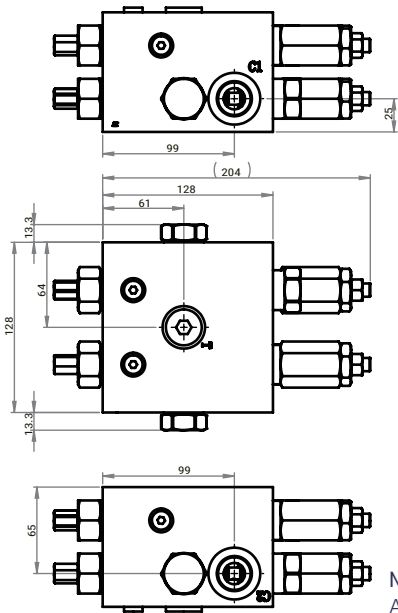
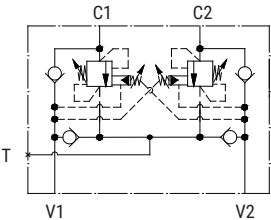
PG03-034-NN

IN LINE
Rohrinstallation

TECHNICAL DATA
Technische Parameter

Nominal flow 120L/min
Max. working pressure 350bar
Setting range 100-350bar
Valve 1 Setting pressure 300bar
Valve 2 Setting pressure 120bar
Pilot ratio 7.6:1
Body Material Steel Stahl

Nennstrom
Maximaler Arbeitsdruck
Einstell-Bereich
Ventil 1 Einstelldruck
Ventil 2 Einstelldruck
Leitquote
Material



	Ports Häfen
C1/C2/V1/V2	G 3/4"
T	G 1/2"

Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

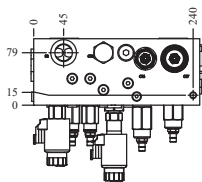
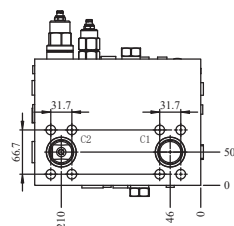
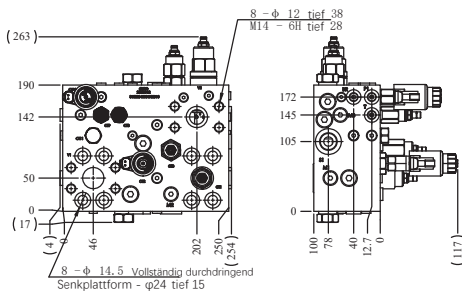
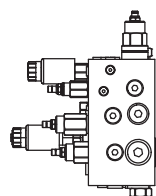
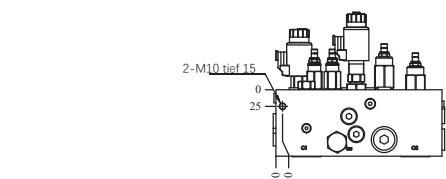
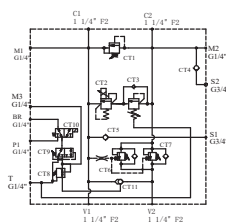
P G 0 3 - 0 3 4 - N N

Ports
Häfen
034 - G 3/4"

3133204000G02B10

Technische Parameter

Nenndurchsatz
 Arbeitsdruck
 Spannung
 Material



	Ports Häfen
V1/V2/C1/C2	SAE1 1/4" 6000PSI
S1/S2	G 3/4"
Restölhafen	G 1/4"

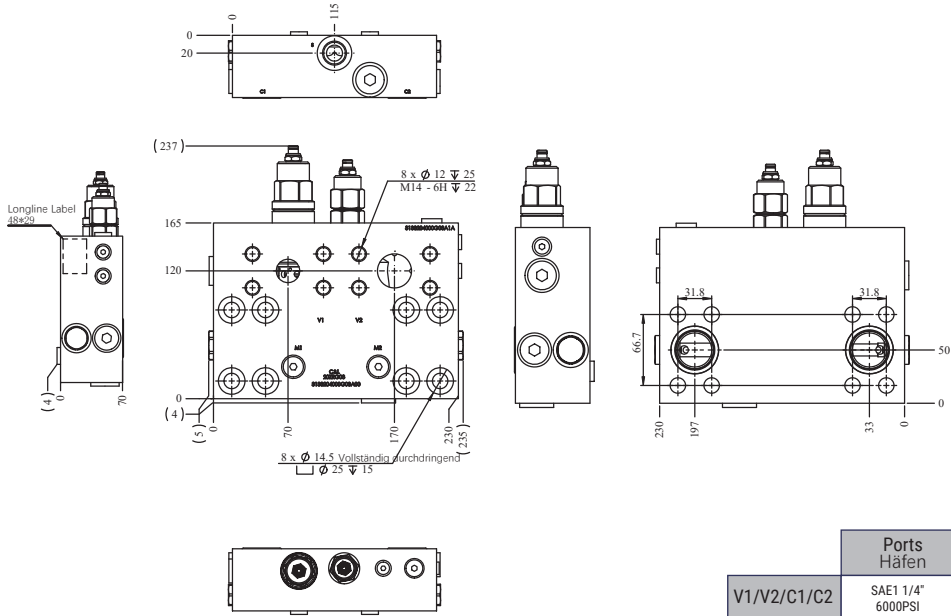
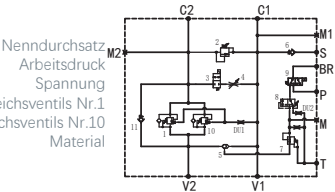
ORDERING CODE Bestellcode

3 1 3 3 2 0 4 0 0 0 G 0 2 B 1 0

4340200100G02A

TECHNICAL DATA
Technische Parameter

Rated flow	300L/min	
Working pressure	350bar	
Voltage	DC28V DEUTSCH	
Pilot Ratio of Conterblance vavle 1	5:1	Steuerverhältnis des Ausgleichsventils Nr.1
Pilot Ratio of Conterblance vavle 10	5:1	Steuerverhältnis des Ausgleichsventils Nr.10
Body Material	Cast Iron Gusseisen	Material



	Ports Häfen
V1/V2/C1/C2	SAE1 1/4" 6000PSI
S	M27*2
Restöhlhafen	G 1/4"

ORDERING CODE Bestellcode

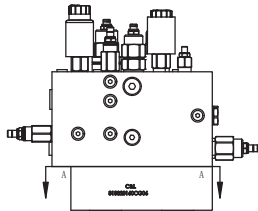
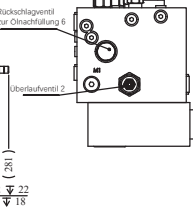
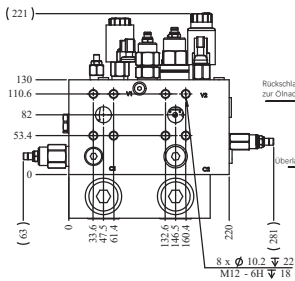
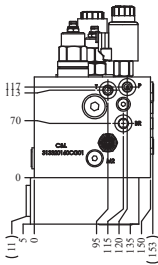
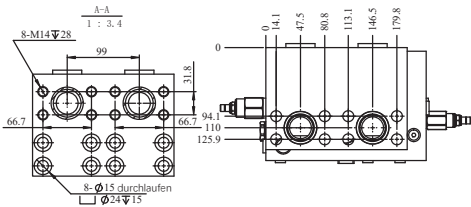
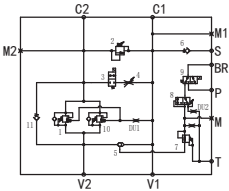
4340200100G02A

4340200100G03A

TECHNICAL DATA

Technische Parameter

Rated flow	300L/min	Nenndurchsatz
Working pressure	350bar	Arbeitsdruck
Voltage	DC28V DEUTSCH	Spannung
Pilot Ratio of Conterblance vavle 1	5:1	Steuerverhältnis des Ausgleichsventils Nr.1
Pilot Ratio of Conterblance vavle 10	5:1	Steuerverhältnis des Ausgleichsventils Nr.10
Body Material	Cast Iron Gusseisen	Material



Ports Häfen	
V1/V2/C1/C2	SAE1 1/4" 6000PSI
S	M27*2
Restölhafen	G 1/4"

ORDERING CODE Bestellcode

4340200100G03A

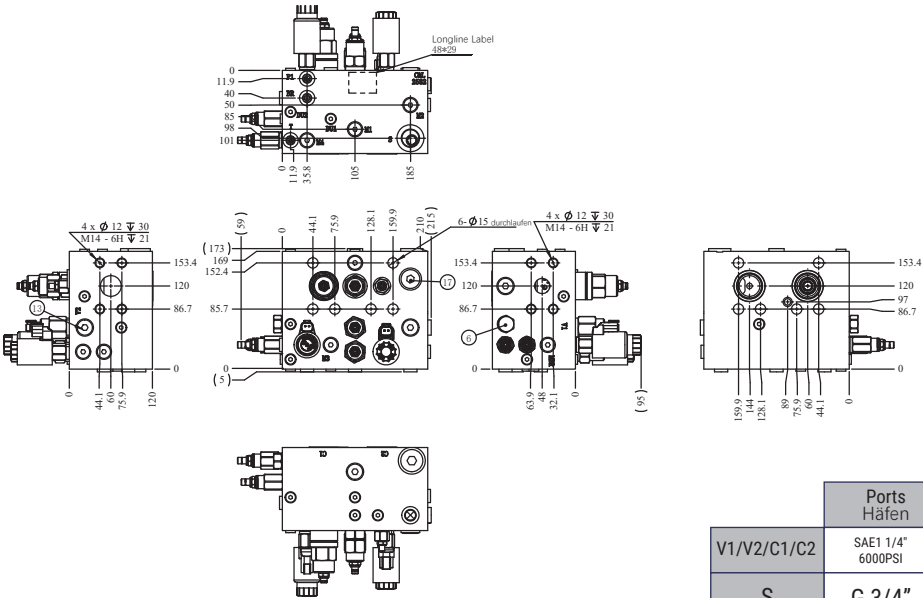
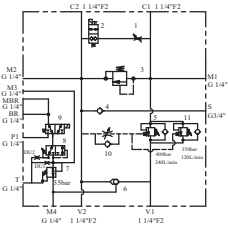
4340200280G01

TECHNICAL DATA
Technische Parameter

Rated flow
Working pressure
Voltage
Pilot Ratio of Conterblance vavle 5
Pilot Ratio of Conterblance vavle 7
Body Material

360L/min
400bar
DC28V DEUTSCH
5:1
5:1
Cast Iron Gusseisen

Neendurchsatz
Arbeitsdruck
Spannung
Steuerverhältnis des Ausgleichsventils Nr.5
Steuerverhältnis des Ausgleichsventils Nr.7
Material



Ports Häfen	
V1/V2/C1/C2	SAE1 1/4" 6000PSI
S	G 3/4"
Restöhlhafen	G 1/4"

ORDERING CODE Bestellcode

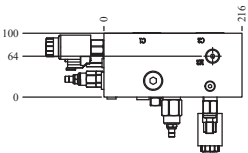
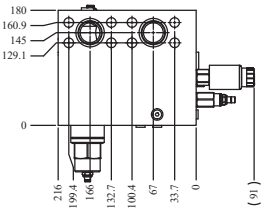
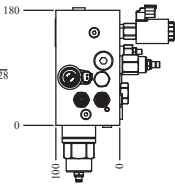
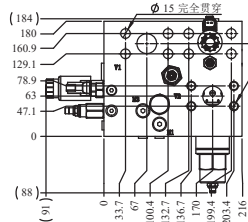
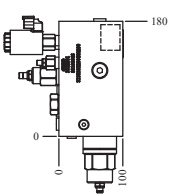
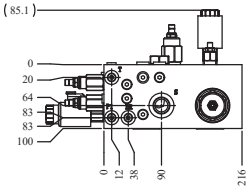
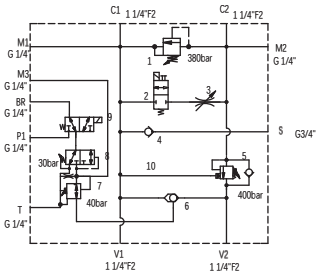
4340200280G01

313320ZR00G02A00

TECHNICAL DATA

Technische Parameter

Rated flow	480L/min	Nenndurchsatz
Working pressure	350ar	Arbeitsdruck
Voltage	DC28V DEUTSCH	Spannung
Body Material	Cast Iron Gusseisen	Material



	Ports Häfen
V1/V2/C1/C2	SAE1 1/4" 6000PSI
S	G 3/4"
Restölhafen	G 1/4"

ORDERING CODE Bestellcode

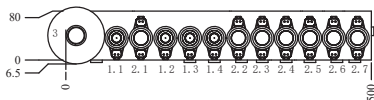
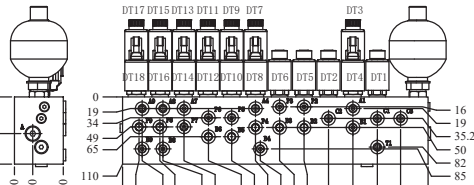
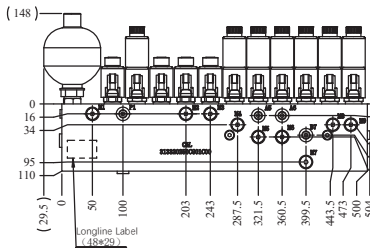
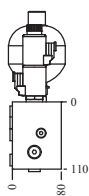
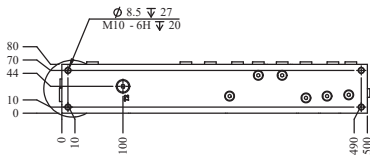
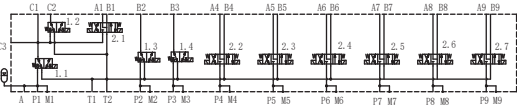
313320ZR00G02A00

313320250CG01C01

TECHNICAL DATA

Technische Parameter

Rated flow	22L/min	Nenndurchsatz
Working pressure	40bar	Arbeitsdruck
Voltage	DC28V DEUTSCH	Spannung
Body Material	Cast Iron Gusseisen	Material



	Ports Häfen
A	G 3/8"
Restölhafen	G 1/4"

ORDERING CODE Bestellcode

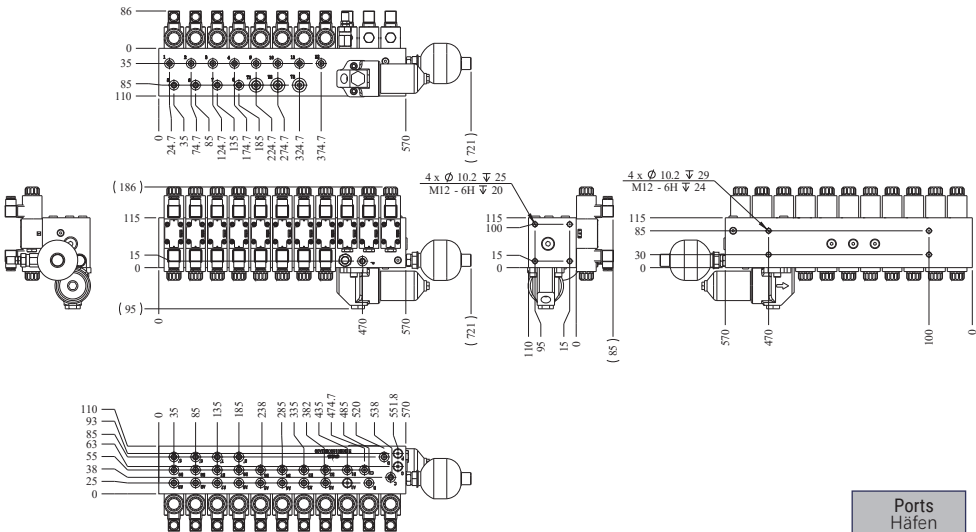
313320250CG01C01

313320160CG01A00

TECHNICAL DATA

Technische Parameter

Rated flow	40L/min	Neendurchsatz
Working pressure	40bar	Arbeitsdruck
Voltage	DC24V DEUTSCH	Spannung
Body Material	Cast Iron Gusseisen	Material



	Ports Häfen
T/T1/T2	G 1/2"
E	M18*1.5
Restölhafen	G 1/4"

ORDERING CODE Bestellcode

313320160CG01A00

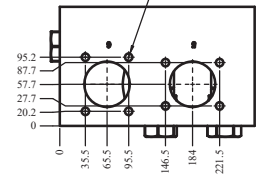
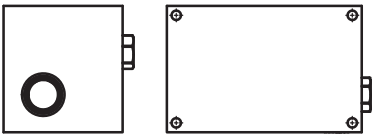
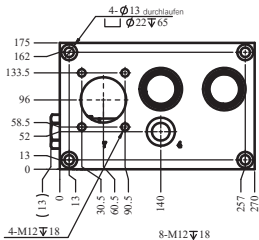
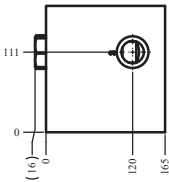
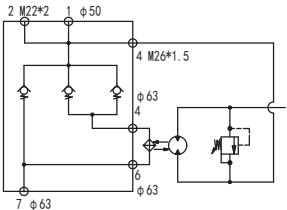
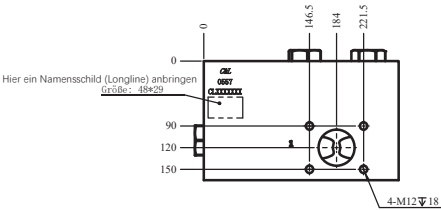
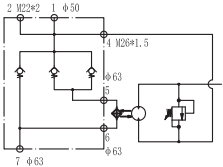
ZZK011R-S

TECHNICAL DATA

Technische Parameter

Rated flow 800L/min
Working pressure 100bar
Body Material Cast Iron Gusseisen

Nenndurchsatz Arbeitsdruck
Material



Ports Häfen	
2	M33*2
4	M26*1.5

ORDERING CODE Bestellcode

ZZK011R - S

NW02A1-RO.A

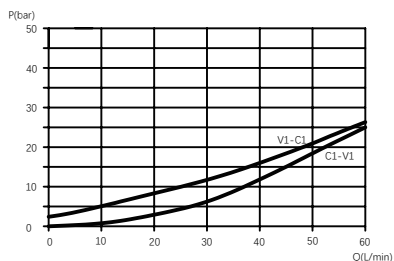
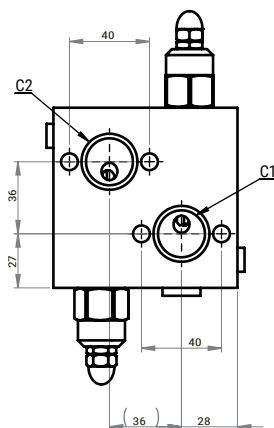
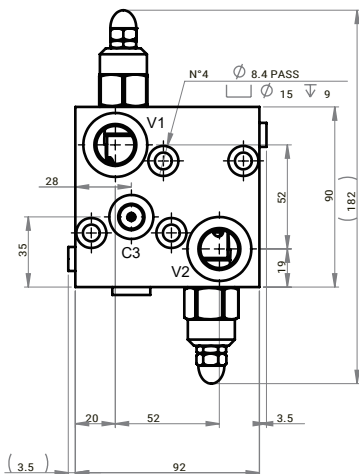
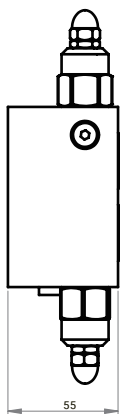
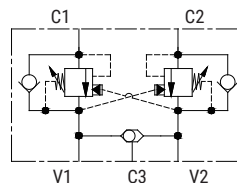
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.
 Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

NW02	A1	-	RO	A
Motor Motor OMP-OMR				Nominal flow Nennstrom A - 60L/min B - 30L/min

NW02D1-RO.A

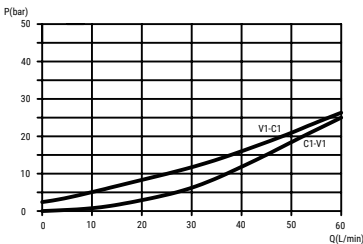
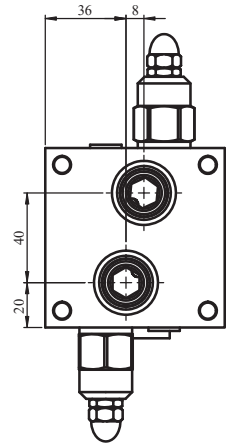
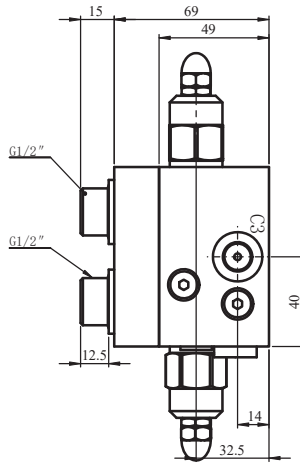
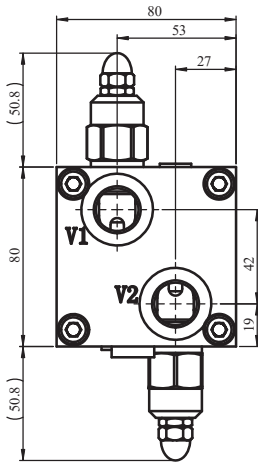
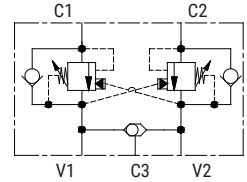
IN LINE

Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

NW02 **D1** - **RO** . **A**

Nominal flow
Nennstrom
A - 60L/min
B - 30L/min

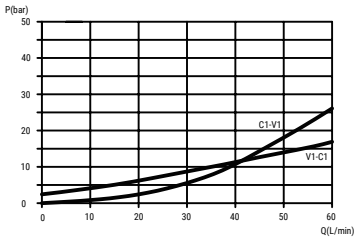
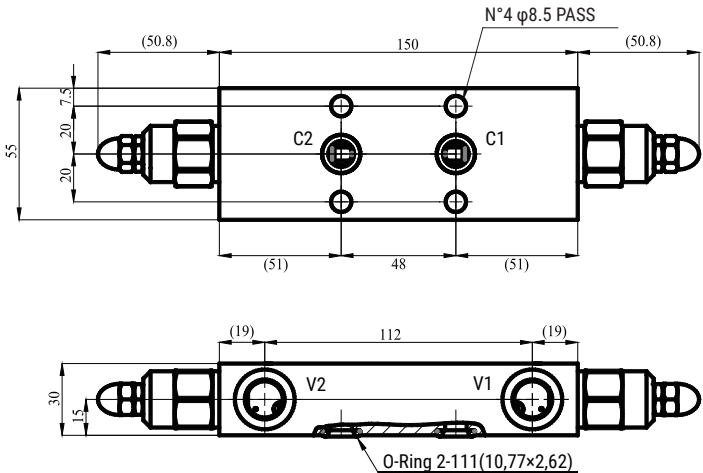
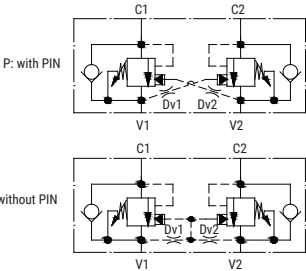
KF02B1-40

With adjustable pilot ratio
Mit angepasstem

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	160-370bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

TABLE 1 Tabelle 1

DV1	DV2
6: $\varnothing 0.6$	6: $\varnothing 0.6$
7: $\varnothing 0.7$	7: $\varnothing 0.7$
8: $\varnothing 0.8$	8: $\varnothing 0.8$
9: $\varnothing 0.9$	9: $\varnothing 0.9$
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min

ORDERING CODE Bestellcode

K F 02 B 1 - 4 0 - N . 8 9 . N N

PIN
P-with(mit)
N-without(ohne)

Orifice
configuration
Konfiguration
der Dämpfung
See table 1
siehe Tabelle 1

Ports Häfen	
C1/C2	$\varnothing 9$
V1/V2	G 3/8"

Limit of flow
Durch-
flussgrenzwerte
See table 2
siehe Tabelle 1

NW03D1-GD

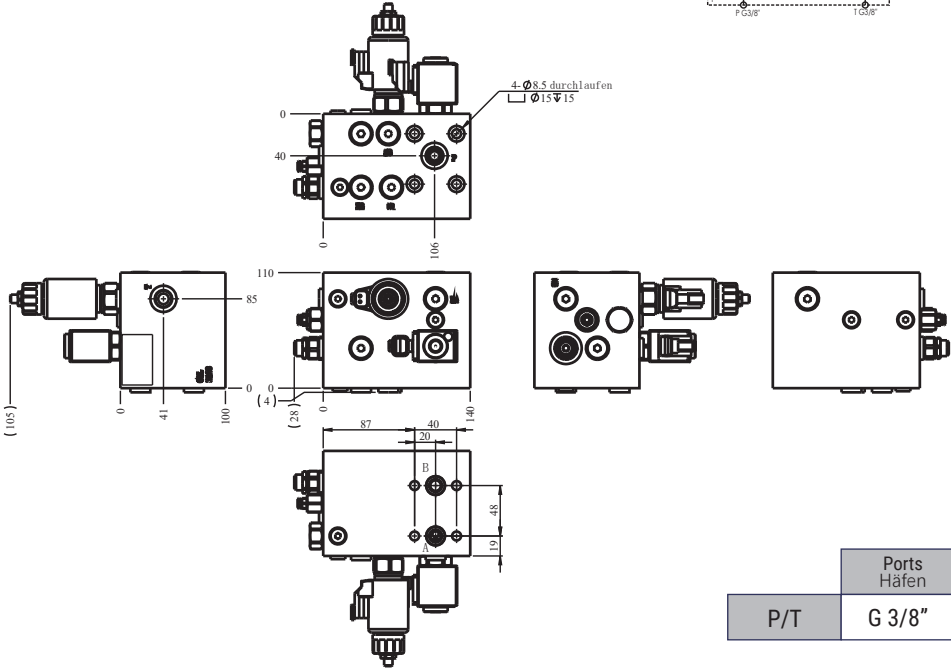
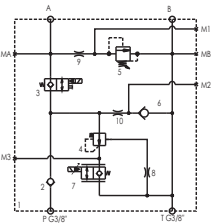
TECHNICAL DATA

Technische Parameter

Rated flow
Working pressure
Voltage
Body Material

60L/min
210bar
DC12V DEUTSCH
Cast Iron Gusseisen

Nenndurchsatz
Arbeitsdruck
Spannung
Material



ORDERING CODE Bestellcode

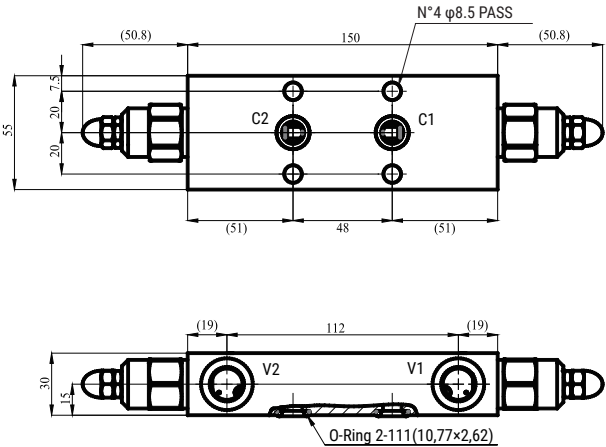
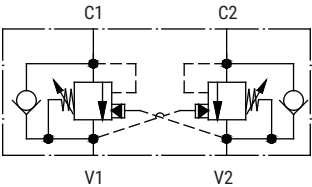
NW03 D1 - GD

NW03A1-ST.A

FLANGED MOUNTING 40x80
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminum Aluminium	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW03 - A1 - ST - A

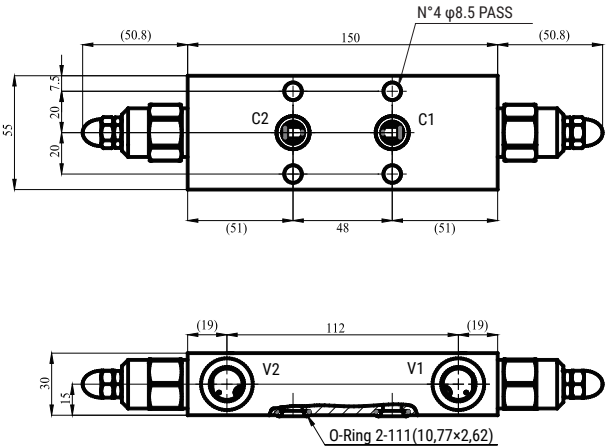
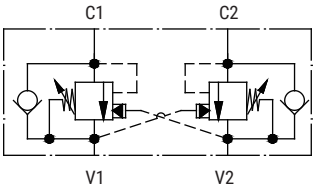
Nominal flow
Nennstrom
A - 40L/min
D - 8L/min

NW03A1-ST.A

FLANGED MOUNTING 40x80
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminum Aluminium	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ9
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW03 - A1 - ST - A

Nominal flow
Nennstrom
A - 40L/min
D - 8L/min

NW04A1-ST

FLANGED MOUNTING

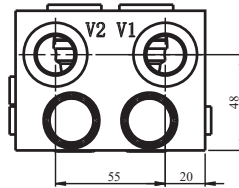
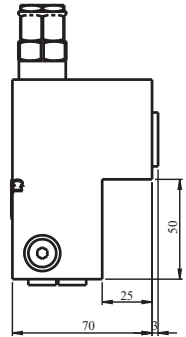
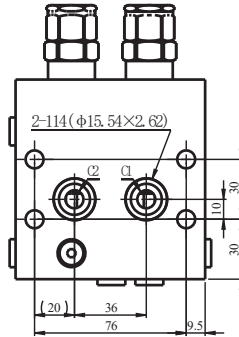
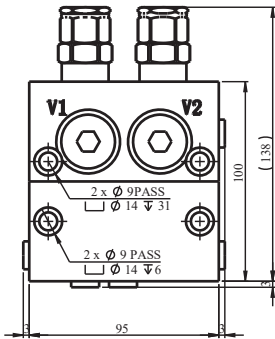
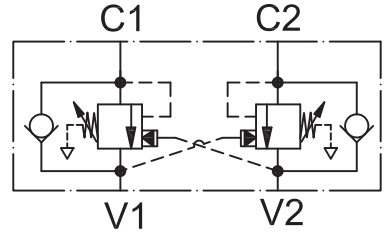
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min
Max. working pressure	350bar
Setting pressure	300bar
Pilot ratio	4.25:1
Body Material	Aluminium Aluminium

Nennstrom	Maximaler Betriebsdruck
Einstelldruck	Leitquote
Material	



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

Ports Häfen
V1/V2 G 1/2"

ORDERING CODE Bestellcode

N W 04

A 1

- S T

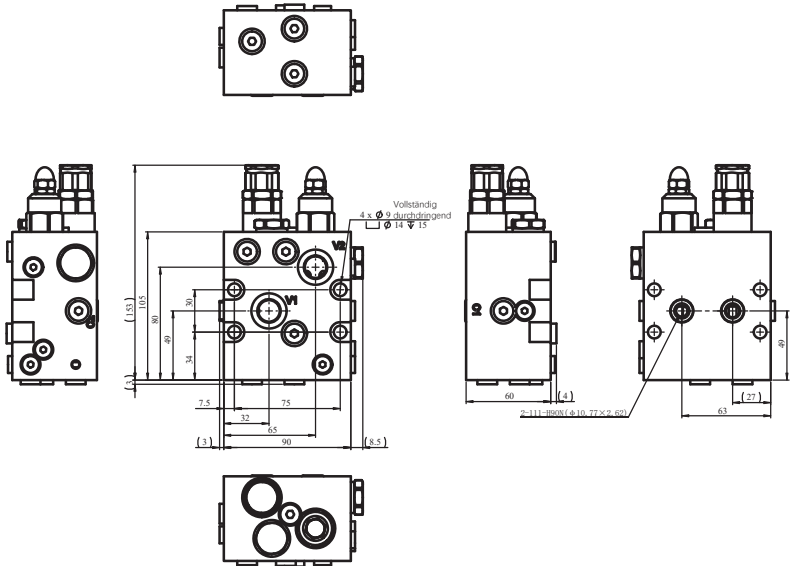
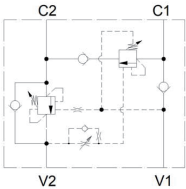
NW04E1-FR

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA
FLANGERBERGE

Max. flow	60L/min
Max. working pressure	350bar
Vavale 1 setting pressure	350bar
Vavale 1 pilot ratio	4:1
Vavale 2 setting pressure	350bar
Vavale 2 pilot ratio	4:1
Body Material	Aluminium Aluminium

Maximaler Durchfluss	60L/min
Maximaler Arbeitsdruck	350bar
Einstelldruck des Ventils 1	350bar
Pilotverhältnis des Ventils 1	4:1
Einstelldruck des Ventils 2	350bar
Pilotverhältnis des Ventils 2	4:1
Material	Aluminium



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW04	E1	-	FR
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NW05NS1-40

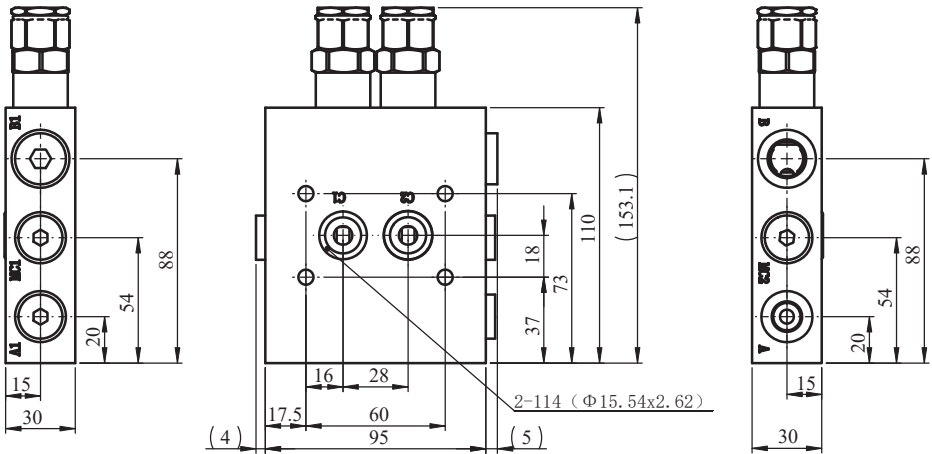
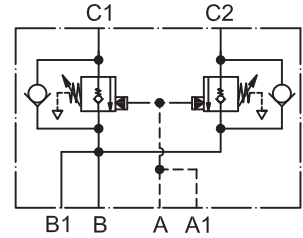
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min	Nennstrom
Max. working pressure	350bar	Maximaler Arbeitsdruck
Pilot operating pressure	20bar	Pilotarbeitsdruck
Pilot ratio	1:0	Leitquote
Body Material	Aluminium Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

Ports Häfen	
A/A1	G 1/4"
B/B1	G 3/8"
MC1/MC2	G 1/2"

ORDERING CODE Bestellcode

N W 05

NS 1

- 40

NW05NS2-40

FLANGED MOUNTING

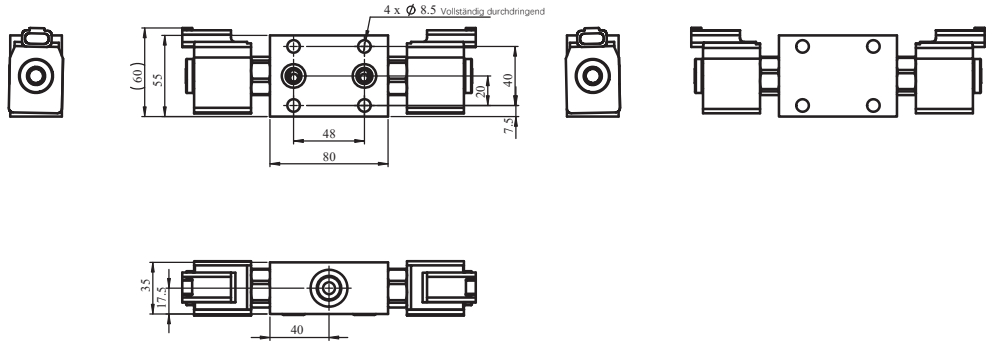
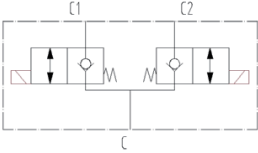
Flanschmontage

TECHNICAL DATA

Technische Parameter

Max. flow 40L/min
 Max. working pressure 240bar
 Voltage 14VDC±10%
 Electrical connection mode DEUTSCH IP67
 Body Material Aluminium Aluminium

Maximaler Durchfluss
 Maximaler Arbeitsdruck
 Spannung
 Elektrische Verbindungsmodus
 Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

NW05	NS2	-	40
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NW06B1-CR

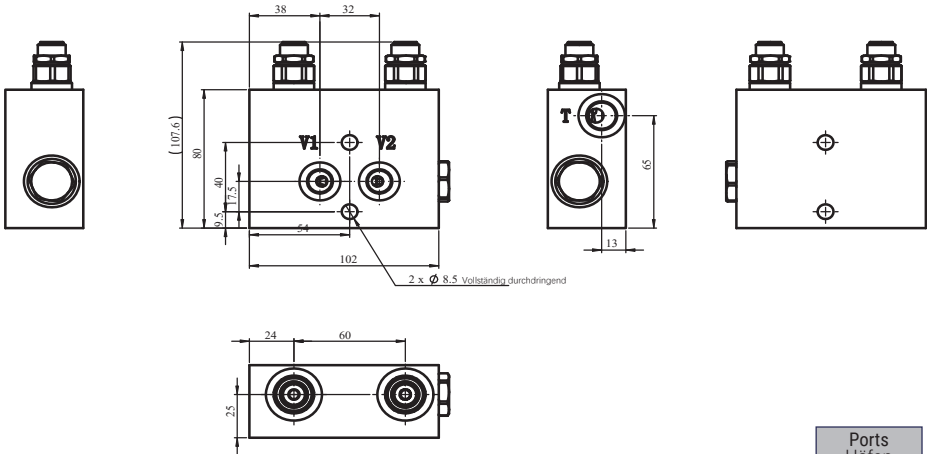
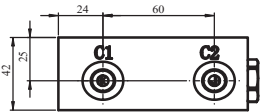
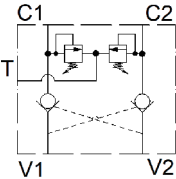
FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA

Technische Parameter

Working flow 25L/min
Working pressure 250bar
Relief valve setting pressure 160bar
Check valve opening pressure 8bar
Pilot ratio 7:1
Body Material Aluminium Aluminium

Nenndurchsatz
Arbeitsdruck
Einstelldruck des Überlassventils
Öffnungsdruck des Einwegventils
Leitquote
Material



	Ports Häfen
T	G 3/8"
C1/C2/ V1/V2	G 1/4"

ORDERING CODE Bestellcode

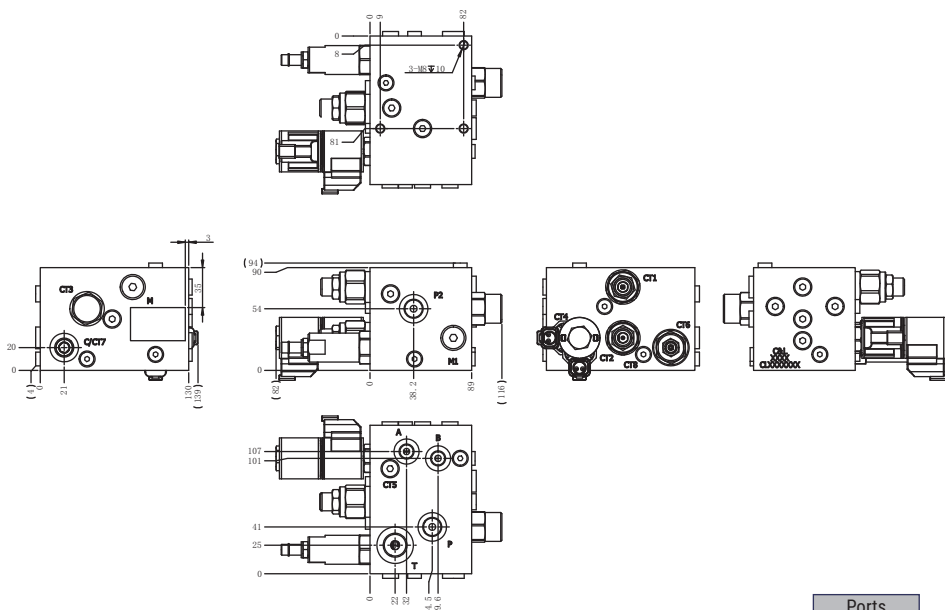
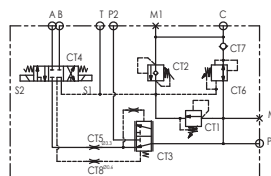
NW06 B1 - CR

Flanschmontage

Technische Parameter

45L/min
240bar
12VDC
DEUTSCH DT04-2P
Aluminium Aluminium

Maximaler Durchfluss
Maximaler Arbeitsdruck
Spannung
Verbindungsmethode
Material



	Ports Häfen
T	G 1/2"
P/P2/C	G 3/8"
A/B/M/M1	G 1/4"

NW07

A 1

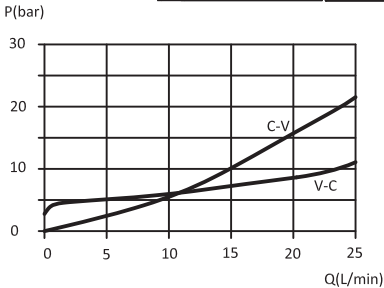
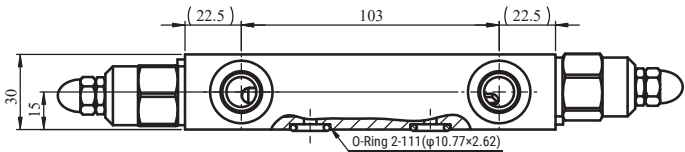
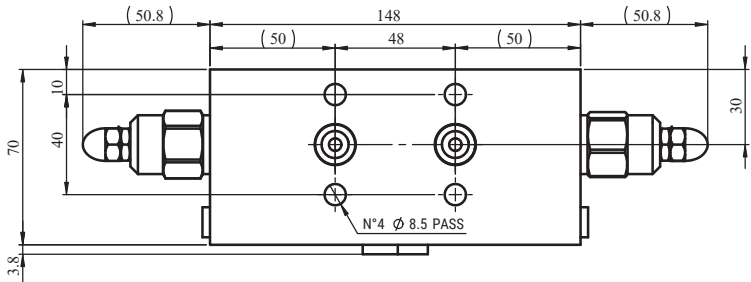
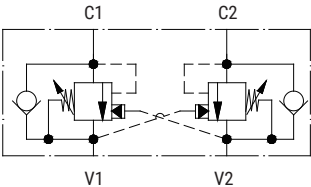
-	SC
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NW01B2-SL

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	20L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	300bar	Einstelldruck
Pilot ratio	1:0	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

ORDERING CODE Bestellcode

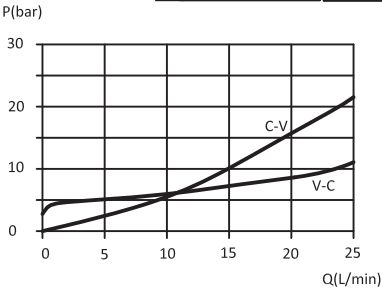
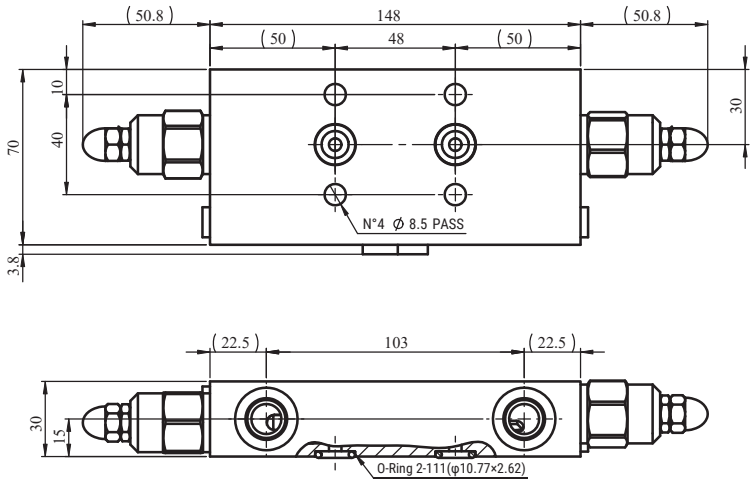
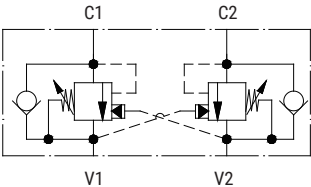
NW01	B2	-	SL
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NW01C2-SL

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	2L/min	Nennstrom
Max. working pressure	210bar	Maximaler Betriebsdruck
Pilot ratio	1:0	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die

	Ports Häfen
C1/C2	φ5
V1/V2	G 1/4"

ORDERING CODE Bestellcode

NW01 C2 - S L

NW02A1-RO.A

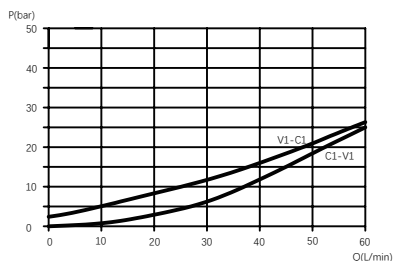
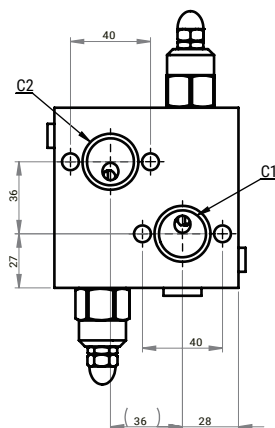
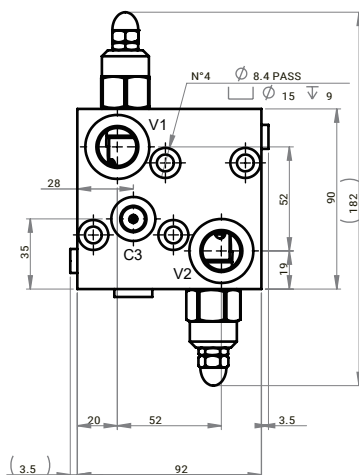
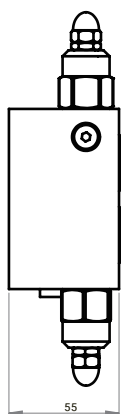
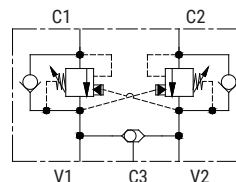
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working pressure	250bar	Maximaler Betriebsdruck
Setting pressure	200bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminium Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.
 Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	G 1/2"
C3	G 1/4"

ORDERING CODE Bestellcode

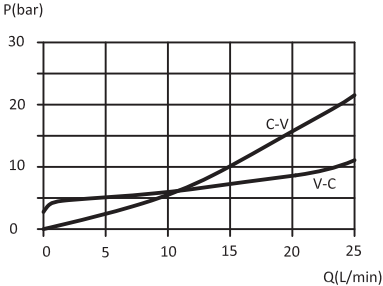
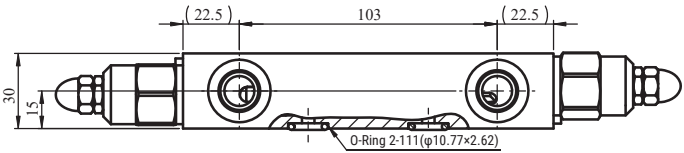
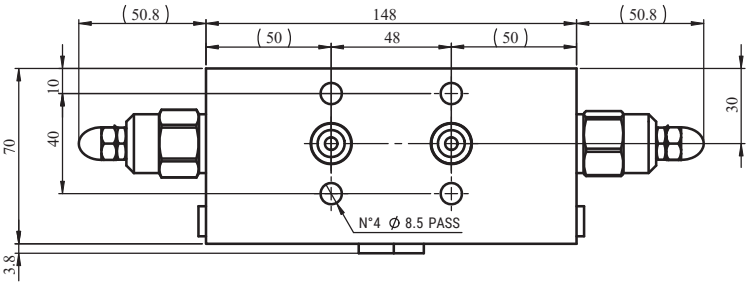
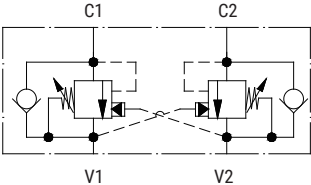
NW02	A1	-	RO	A
Motor Motor OMP-OMR				Nominal flow Nennstrom A - 60L/min B - 30L/min

NW03B1-ST

FLANGED MOUNTING
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow	25L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	300bar	Einstelldruck
Pilot ratio	8.5:1	Leitquote
Body Material	Aluminium alloy Aluminiumlegierung	Material



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2	φ5
V1/V2	G 3/8"

ORDERING CODE Bestellcode

N W 03 B 1 - S T

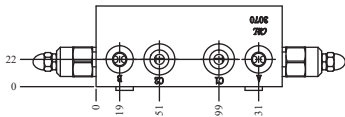
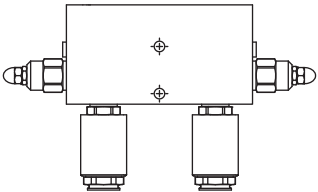
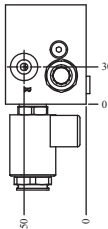
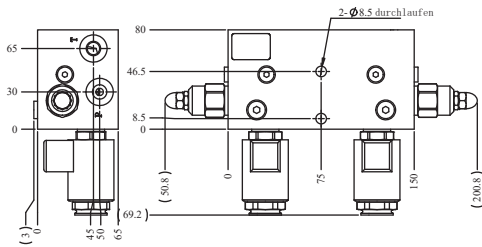
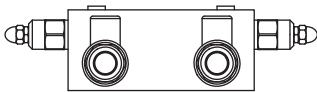
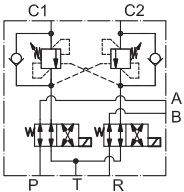
NW03D1-GD

TECHNICAL DATA

Technische Parameter

Rated flow 30L/min
Working pressure 350bar
Voltage DC12V DEUTSCH
Body Material Aluminum Aluminium

Nenndurchsatz
Arbeitsdruck
Spannung
Material



	Ports Häfen
C1/C2	G 3/8"
T/R/P/A/B	G 1/4"

ORDERING CODE Bestellcode

NW06A1 - FS

PCFD.001.78.A03

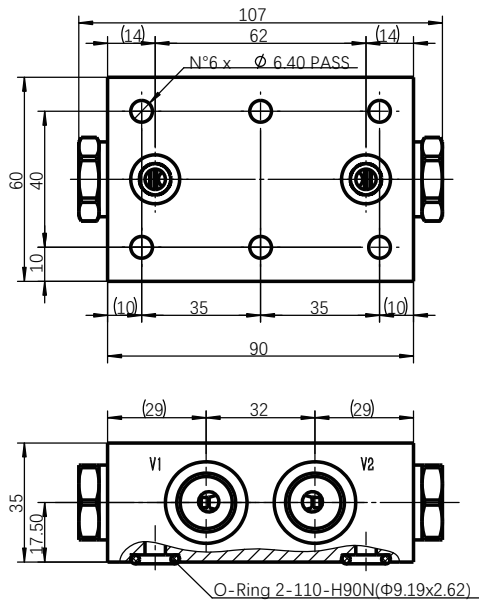
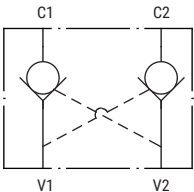
FLANGED MOUNTING 40x70
Flanschmontage

TECHNICAL DATA
Technische Parameter

Nominal flow
Max. working pressure
Cracking pressure
Pilot ratio
Body Material

30L/min
350bar
8bar
7:1
Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Öffnungsdruck
Leitquote
Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCFD	001	7	8	A	03
		Pilot ratio Pilotverhältnis 7 - 7:1	Cracking Pressure Öffnungs- druck 8 - 8 bar		Ports Häfen 03 - G 3/8"

PG01A1-90

FLANGED MOUNTING 38x92

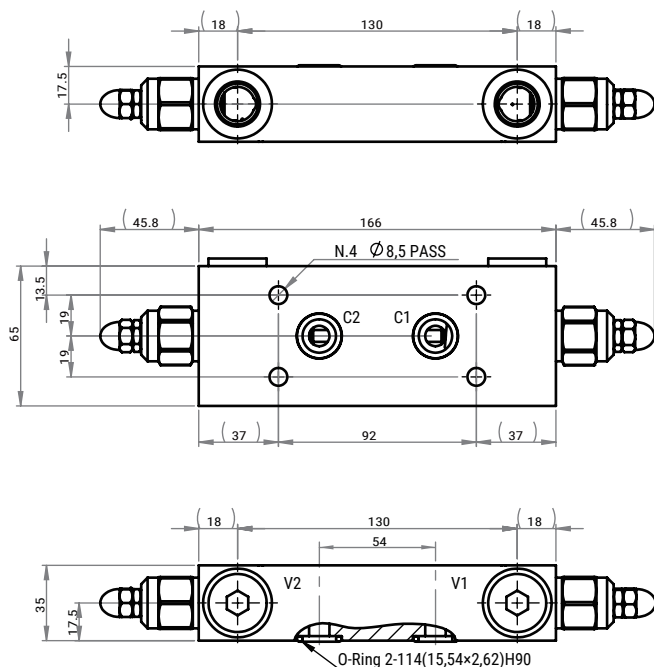
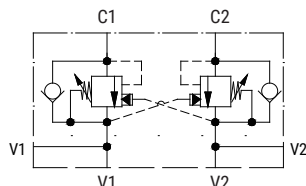
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 90L/min
Max. working pressure 350bar
Setting pressure 230bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Ports Häfen	
V1/V2	G 1/2"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

PG01A1

-

90

KF02B2-40

With adjustable pilot ratio
Mit einstellbarem

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working flow	80L/min	Maximaler Arbeitsdurchfluss
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	120-350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material

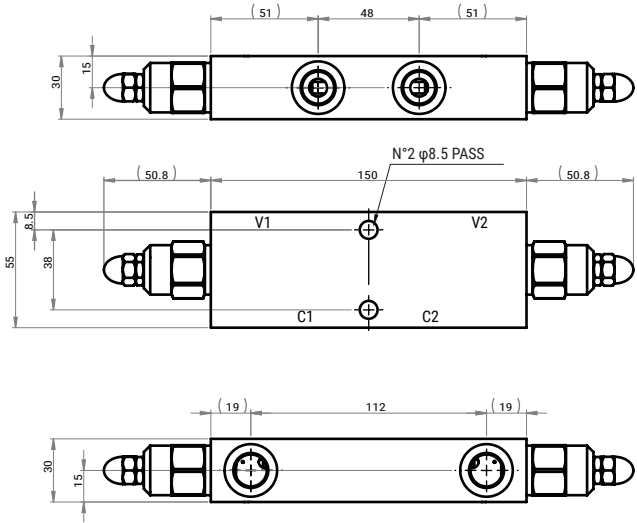
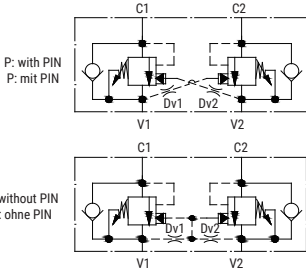


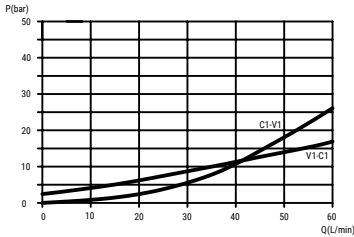
TABLE 1 Tabelle 1

orifice V1 Öffnung V1	orifice V2 Öffnung V2
6: φ0.6	6: φ0.6
7: φ0.7	7: φ0.7
8: φ0.8	8: φ0.8
9: φ0.9	9: φ0.9
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min

Ports Häfen
C1/C2/V1/V2 G 3/8"



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02 **B 2** - **4 0** - **P** . **0 0** . **N N**

PIN
P-with(mit)
N-without(ohne)

Orifice
configuration
Konfiguration
der Öffnung
See table 1
siehe Tabelle 1

Limit of flow
Durch-
flussgrenzwerte
See table 2
siehe Tabelle 2

CBZD.000.41.Z06

SANDWICH PLATE MOUNTING

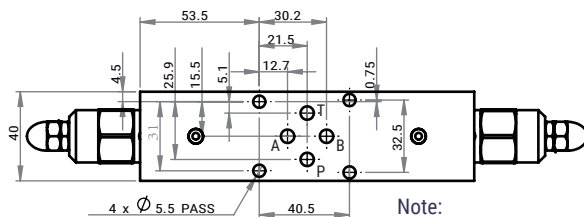
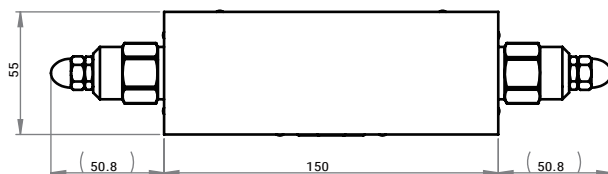
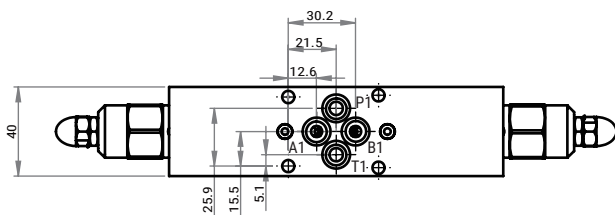
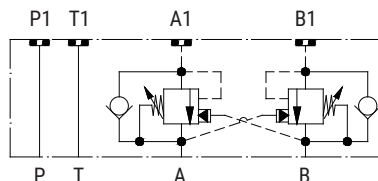
Sandwichplatte-Montage

TECHNICAL DATA

Technische Parameter

Nominal flow	25L/min
Spring range	160~350bar
Max. working pressure	350bar
Setting pressure	180bar
Pilot ratio	4.25:1
Body Material	Steel Stahl

Nennstrom	
Federdruckbereich	
Maximaler Betriebsdruck	
Einstelldruck	
Leitquote	
Material	



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBZD . **000** . **4** . **1** . **Z** . **06**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
NS 6

CBFD.000.41.Z06

FLANGED MOUNTING 40x48

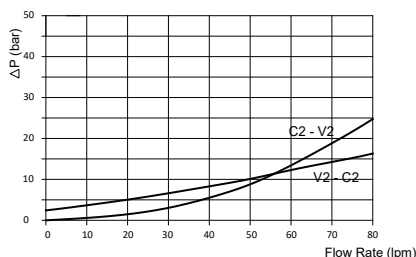
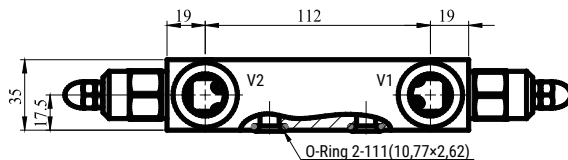
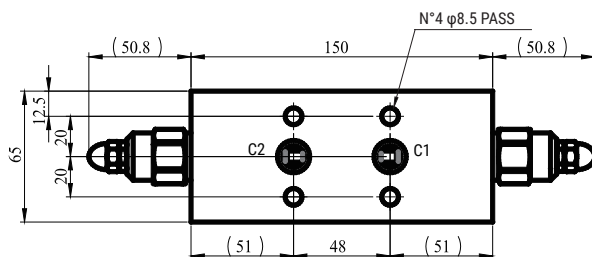
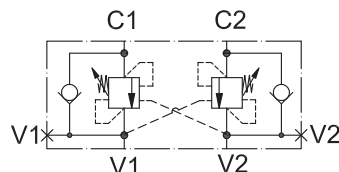
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow	40L/min
Max. working pressure	350bar
Setting pressure	350bar
Pilot ratio	4.25:1
Material	Steel Stahl

Nennstrom	
Maximaler Betriebsdruck	
Einstelldruck	
Leitquote	
Material	



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBFD . **000** . **4** . **1** . **Z** . **06**

Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
06 - M16*1.5

Ports Häfen	
V1/V2	M16*1.5

PG01A1-90

FLANGED MOUNTING 38x92

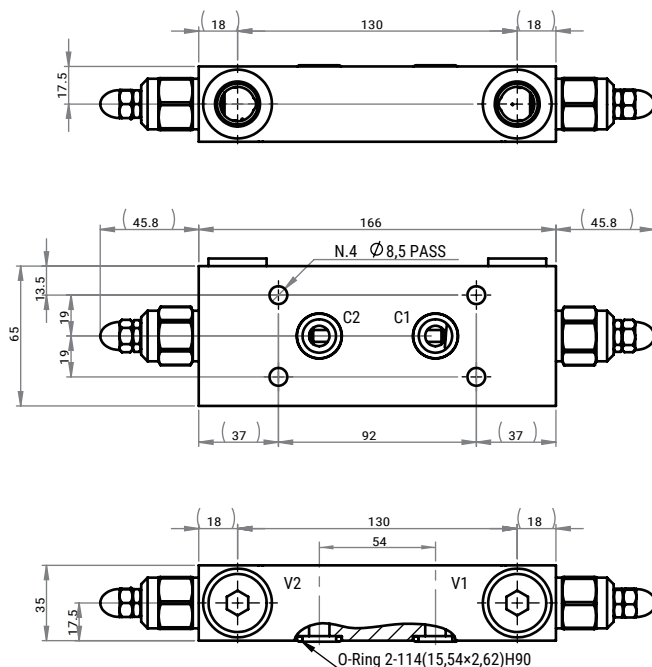
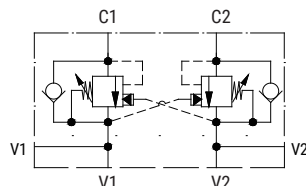
Flanschmontage

TECHNICAL DATA

Technische Parameter

Nominal flow 90L/min
Max. working pressure 350bar
Setting pressure 230bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nennstrom
Maximaler Betriebsdruck
Einstelldruck
Leitquote
Material



Ports Häfen	
V1/V2	G 1/2"

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

PG01A1

-

90

KF02B2-40

With adjustable pilot ratio
Mit einstellbarem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working flow	80L/min	Maximaler Arbeitsdurchfluss
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	120-350bar	Einstell-Druckbereich
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material

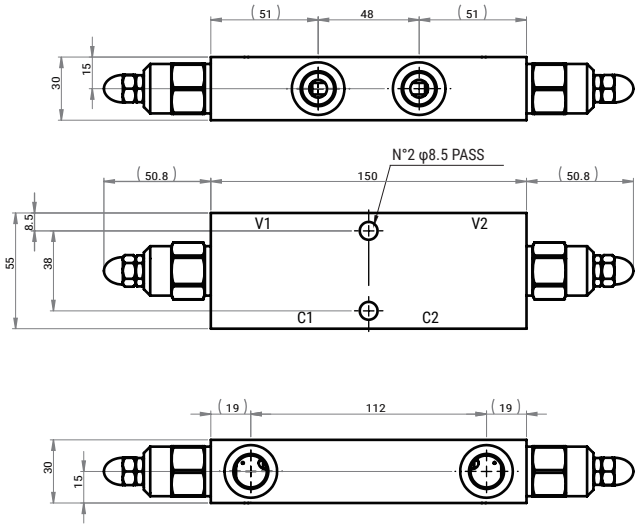
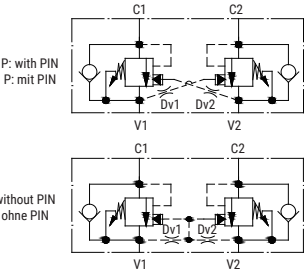


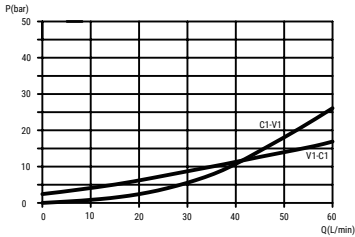
TABLE 1 Tabelle 1

orifice V1 Öffnung V1	orifice V2 Öffnung V2
6: φ0.6	6: φ0.6
7: φ0.7	7: φ0.7
8: φ0.8	8: φ0.8
9: φ0.9	9: φ0.9
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min

Ports Häfen
C1/C2/V1/V2
G 3/8"



Note:
Anmerkung
Pressure setting must be 30% higher than pressure induced by the Maximum load.
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02 B 2 - 4 0 - P . 0 0 . N N

PIN
P-with(mit)
N-without(ohne)

Orifice configuration
Konfiguration der Dämpfung
See table 1
siehe Tabelle 1

Limit of flow
Durchflussgrenzwerte
See table 2
siehe Tabelle 2

KF-XBJ0G01

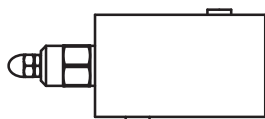
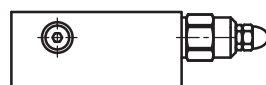
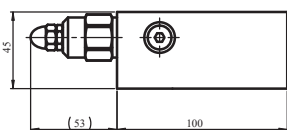
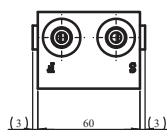
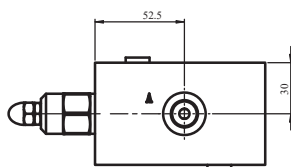
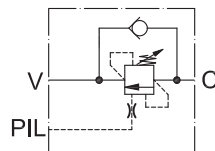
IN LINE

Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow	16L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminum Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF - **XBJG01**

CBZD.000.41.Z06

SANDWICH PLATE MOUNTING

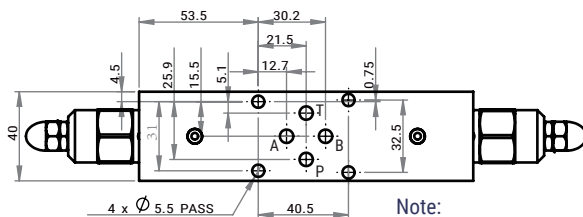
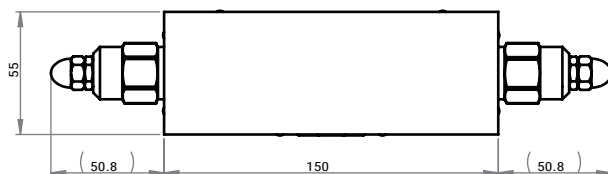
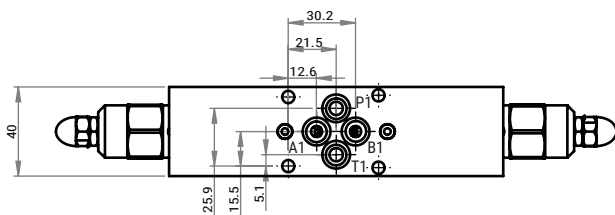
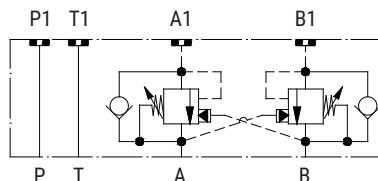
Sandwichplatte-Montage

TECHNICAL DATA

Technische Parameter

Nominal flow	25L/min
Spring range	160~350bar
Max. working pressure	350bar
Setting pressure	180bar
Pilot ratio	4.25:1
Body Material	Steel Stahl

Nennstrom	Federdruckbereich
Maximaler Betriebsdruck	Einstelldruck
Leitquote	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

CBZD	.	000	.	4	.	1	.	Z	.	06
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Pilot ratio
Leitquote
4 - 4.25:1

Ports
Häfen
NS 6

KF-XBJ0G01

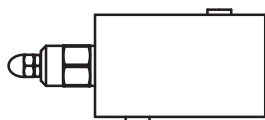
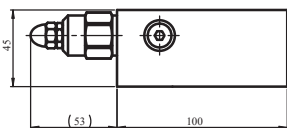
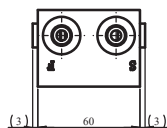
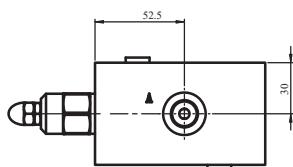
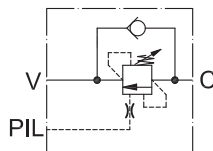
IN LINE

Rohrinstallation

TECHNICAL DATA

Technische Parameter

Nominal flow	16L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure	350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Aluminum Aluminium	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF - **XBJG01**

KF02B2-40

With adjustable pilot ratio
Mit einstellbarem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	60L/min	Nennstrom
Max. working flow	80L/min	Maximaler Arbeitsdurchfluss
Max. working pressure	350bar	Maximaler Betriebsdruck
Setting pressure range	120-350bar	Einstelldruck
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material

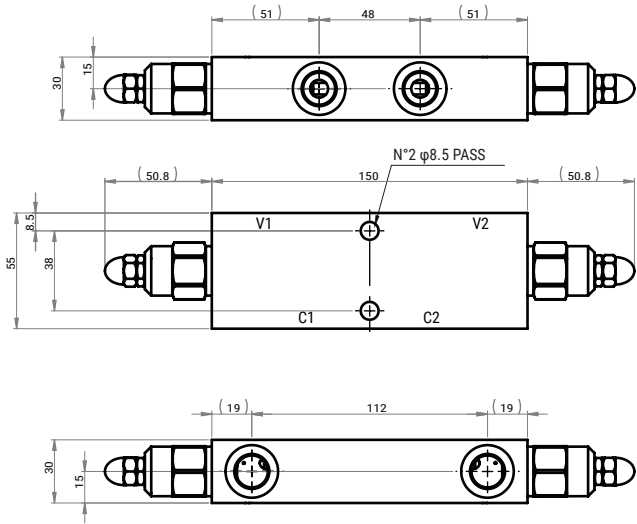
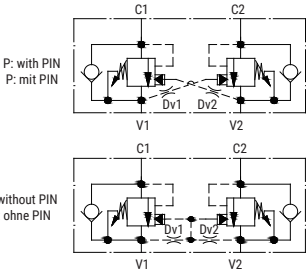
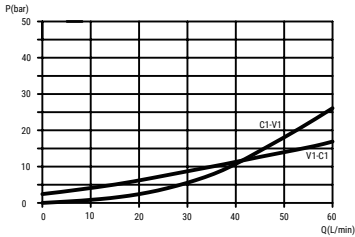


TABLE 1 Tabelle 1

orifice V1 Öffnung V1	orifice V2 Öffnung V2
6: φ0.6	6: φ0.6
7: φ0.7	7: φ0.7
8: φ0.8	8: φ0.8
9: φ0.9	9: φ0.9
0: no orifice 0: keine Öffnung	0: no orifice 0: keine Öffnung

TABLE 2 Tabelle 2

V1 limit V1 Grenzwert	V2 limit V2 Grenzwert
N: 60L/min	N: 60L/min
A: 40L/min	A: 40L/min
B: 25L/min	B: 25L/min
C: 16L/min	C: 16L/min



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

K F 02 B 2 - 4 0 - P . 0 0 . N N

PIN
P-with(mit)
N-without(ohne)

Orifice
configuration
Konfiguration
der Öffnung
See table 1
siehe Tabelle 1

Limit of flow
Durch-
flussgrenzwerte
See table 2
siehe Tabelle 2

Ports Häfen
C1/C2/V1/V2 G 3/8"

KF-06MG00G22

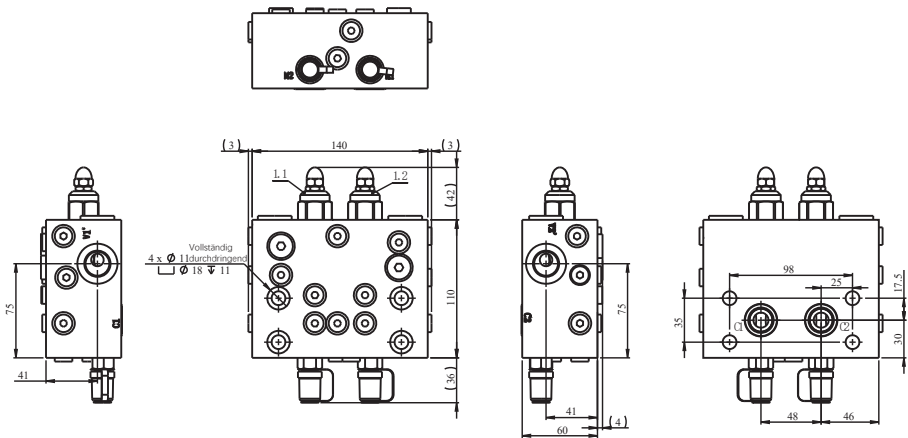
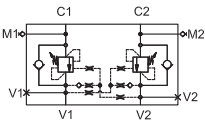
With adjustable pilot ratio

Mit angepasstem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Rated flow	30L/min	Nenndurchsatz
Max. working pressure	350bar	Maximaler Arbeitsdruck
Setting pressure	280bar	Einstelldruck
Pressure regulation range	160-350bar	Regelbereich
Pilot ratio	2.86:1	Leitquote
Body Material	Steel Stahl	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V1'/V2/V2'	G 1/2"
C1/C2	12 mm

ORDERING CODE Bestellcode

KF - **06MG00G22**

KF-06MG00G04A00

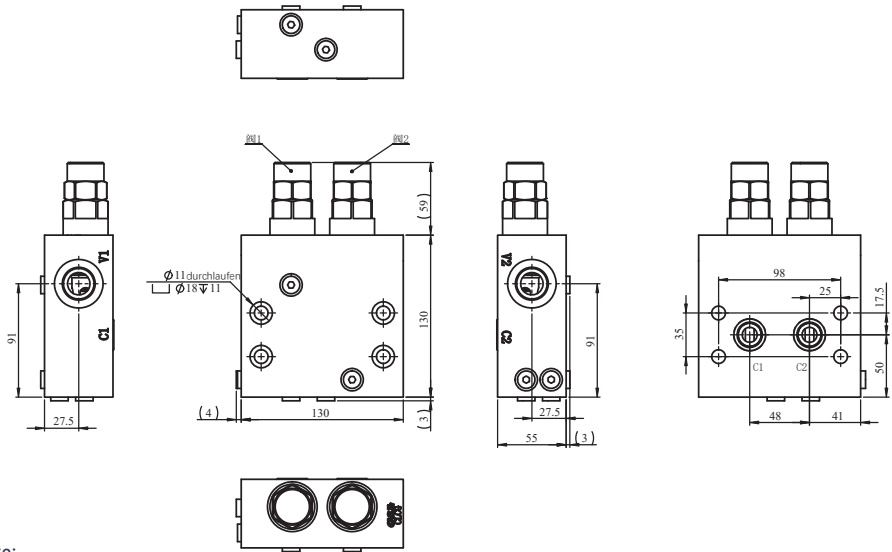
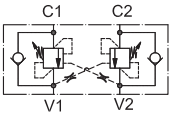
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Rated flow	30L/min	Nenndurchsatz
Max. working pressure	350bar	Maximaler Arbeitsdruck
Setting pressure	280bar	Einstelldruck
Pressure regulation range	160-350bar	Regelbereich
Pilot ratio	4:1	Leitquote
Body Material	Steel Stahl	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
V1/V2	φ12
C1/C2	G 3/4"

ORDERING CODE Bestellcode

KF - **06MG00G04A00**

KF-06MG00G11

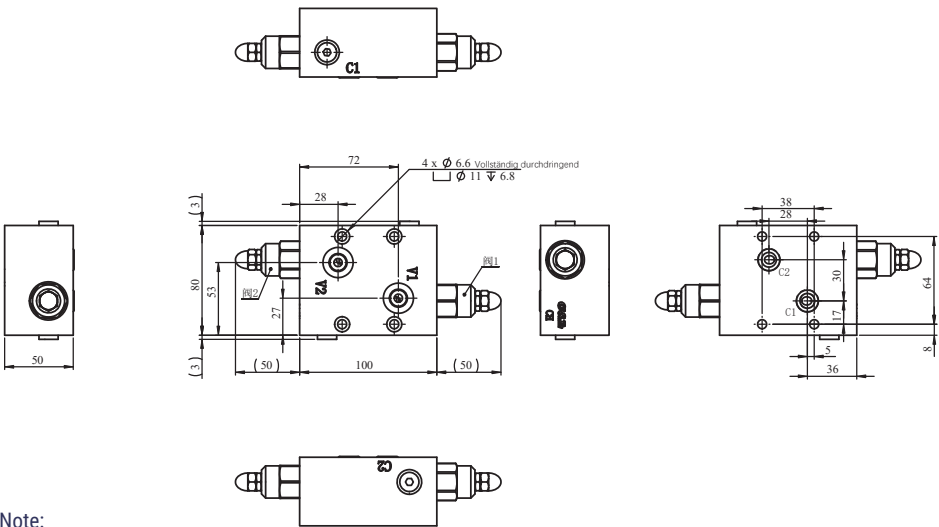
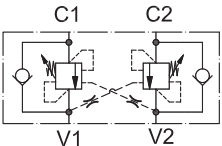
FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Rated flow	30L/min	Nenndurchsatz
Max. working pressure	350bar	Maximaler Arbeitsdruck
Setting pressure	250bar	Einstelldruck
Pressure regulation range	160-350bar	Regelbereich
Pilot ratio	4.25:1	Leitquote
Body Material	Steel Stahl	Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2/	φ6
V1/V2	G 1/4"

ORDERING CODE Bestellcode

KF - **06MG00G11**

KF-06MG00G11

FLANGED MOUNTING

Flanschmontage

TECHNICAL DATA

Technische Parameter

Rated flow

30L/min

Nenndurchsatz

Max. working pressure

350bar

Maximaler Arbeitsdruck

Setting pressure

250bar

Einstelldruck

Pressure regulation range

160-350bar

Regelbereich

Pilot ratio

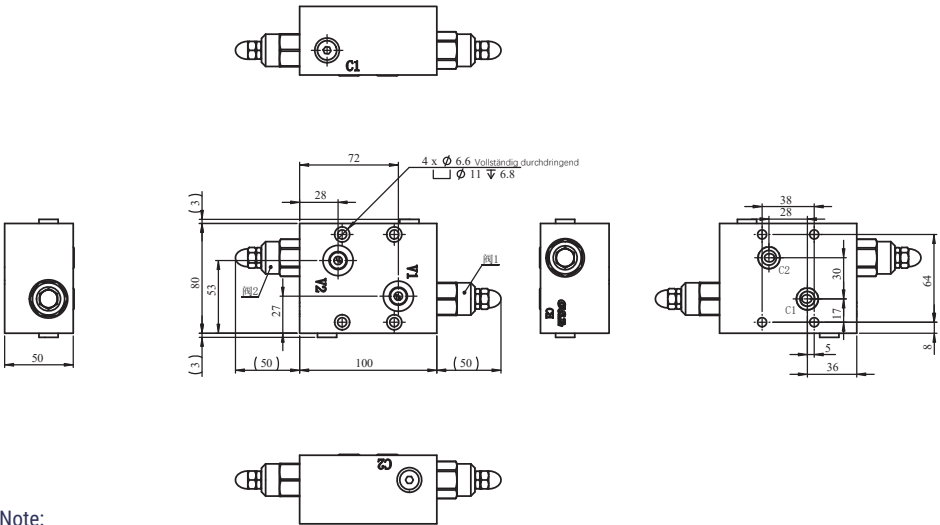
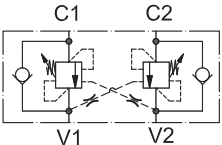
4.25:1

Leitquote

Body Material

Steel Stahl

Material



Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

	Ports Häfen
C1/C2/	φ6
V1/V2	G 1/4"

ORDERING CODE Bestellcode

KF - **06MG00G11**

KF-06MG00G12

With adjustable pilot ratio

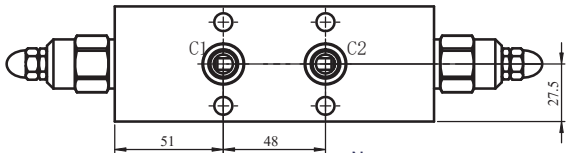
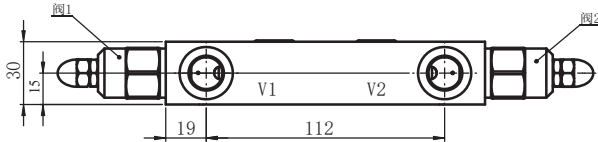
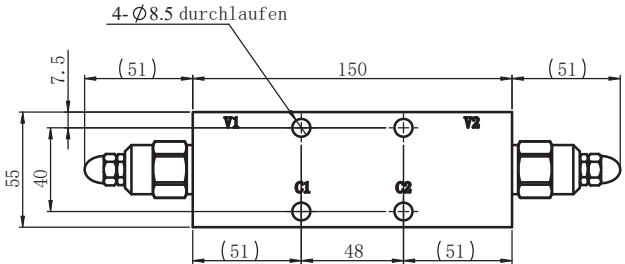
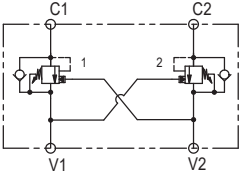
Mit angepasstem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow 30L/min
Max. working pressure 350bar
Setting pressure 250bar
Pressure regulation range 160-350bar
Pilot ratio 4.25:1
Body Material Steel Stahl

Nenndurchsatz
Maximaler Arbeitsdruck
Einstelldruck
Regelbereich
Leitquote
Material



	Ports Häfen
V1/V2	G 3/8"
C1/C2	Ø9

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF	MG00	-	G	-	12
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KF-06MG00G12

With adjustable pilot ratio

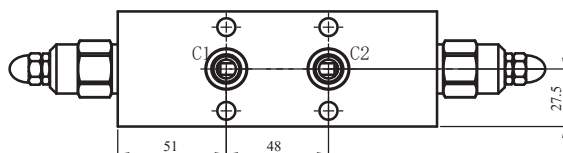
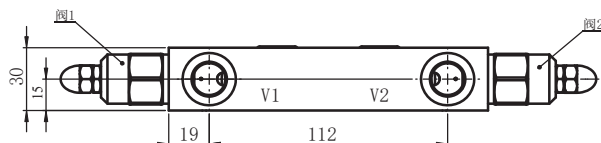
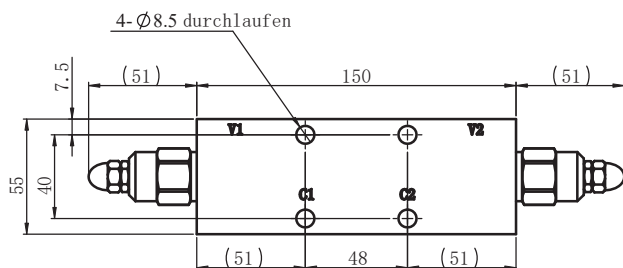
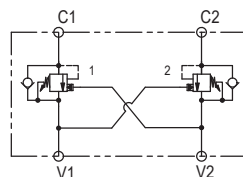
Mit angepasstem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	30L/min
Max. working pressure	350bar
Setting pressure	250bar
Pressure regulation range	160-350bar
Pilot ratio	4.25:1
Body Material	Steel Stahl

Nenndurchsatz	
Maximaler Arbeitsdruck	
Einstelldruck	
Regelbereich	
Leitquote	
Material	



	Ports Häfen
V1/V2	G 3/8"
C1/C2	Ø9

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF	MG00	-	G	-	12
----	------	---	---	---	----

KF-06MG00G12

With adjustable pilot ratio

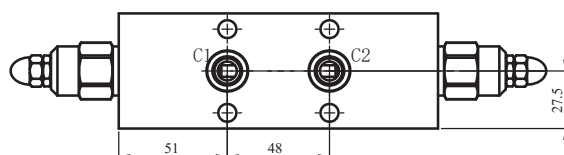
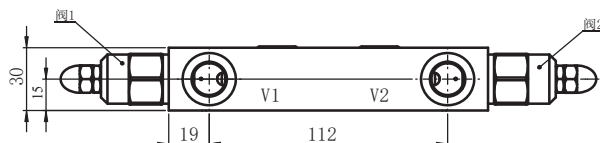
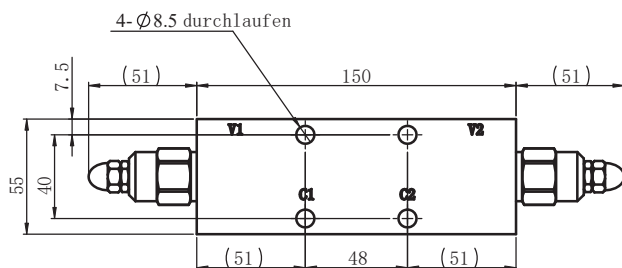
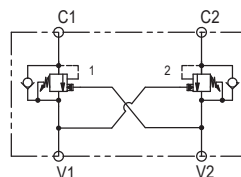
Mit angepasstem Pilotverhältnis

TECHNICAL DATA

Technische Parameter

Nominal flow	30L/min
Max. working pressure	350bar
Setting pressure	250bar
Pressure regulation range	160-350bar
Pilot ratio	4.25:1
Body Material	Steel Stahl

Nenndurchsatz	
Maximaler Arbeitsdruck	
Einstellendruck	
Regelbereich	
Leitquote	
Material	



	Ports Häfen
V1/V2	G 3/8"
C1/C2	Ø9

Note:

Anmerkung

Pressure setting must be 30% higher than pressure induced by the Maximum load.

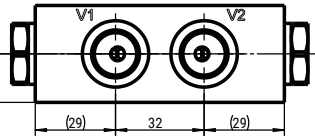
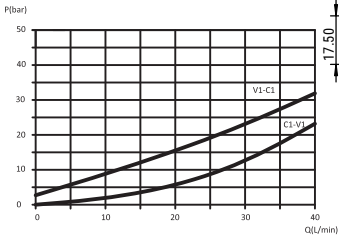
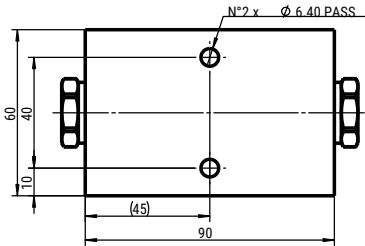
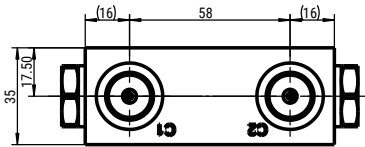
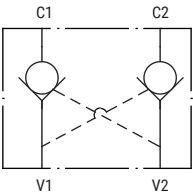
Die Druckeinstellung muss 30 % höher sein als der Druck, der durch die maximale Belastung verursacht wird.

ORDERING CODE Bestellcode

KF	MG00	-	G	-	12
----	------	---	---	---	----

TECHNICAL DATA
Technische Parameter

Nominal flow	30L/min	Nennstrom
Max. working pressure	350bar	Maximaler Betriebsdruck
Cracking pressure	8bar	Öffnungsdruck
Pilot ratio	7:1	Leitquote
Body Material	Steel Stahl	Material



	Ports Häfen
V1/V2	G 3/8"

ORDERING CODE Bestellcode

PCPD	001	7	8	A	03
------	-----	---	---	---	----

Pilot ratio
Pilotverhältnis
7 - 7:1

Cracking
Pressure
Öffnungs-
druck
8 - 8 bar

Ports
Häfen
03 - G 3/8"

YG01B1-50

IN LINE

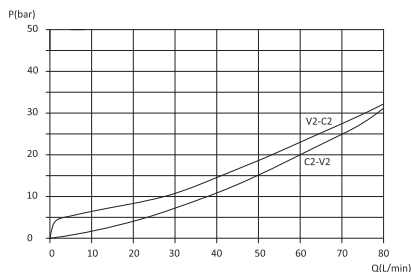
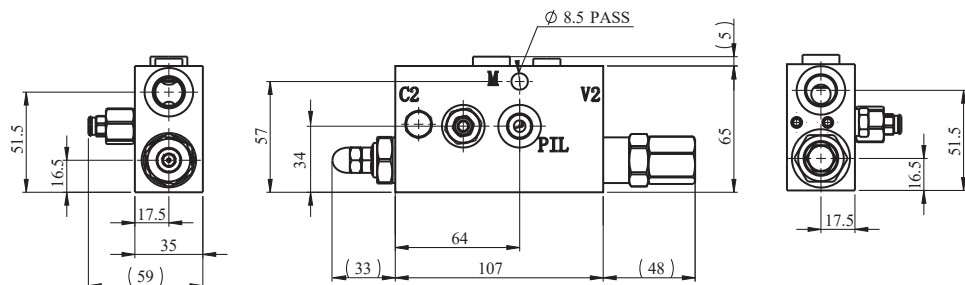
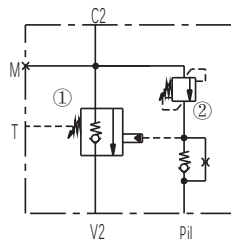
Rohrinstallation

TECHNICAL DATA

Technische Parameter

Max. flow	50L/min
Max. working pressure	420bar
Valve 1 cracking pressure	7.5bar
Valve 1 Adj.pressure range	6-15bar
Valve 2 setting pressure	350bar(5L/min)
Valve 2 Adj.pressure range	260-450bar
Material	Steel Stahl
Weight	1.9 kg

Maximaler Durchfluss	50L/min
Maximaler Arbeitsdruck	420bar
Ventil 1 Öffnungsdruck	7.5bar
Einstellbarer Druckbereich des Ventils 1	6-15bar
Ventil 2 Einstelldruck	350bar(5L/min)
Einstellbarer Druckbereich des Ventils 2	260-450bar
Material	Steel Stahl
Gewicht	1.9 kg



	Ports Häfen
V2/C2	G 3/8"
P11/T/M	G 1/4"

ORDERING CODE Bestellcode

YG 01 B1

-

50

LOAD LOWERING CONTROL VALVE

Explosionsschutzventil

YG01B2-50

IN LINE

Rohrinstallation

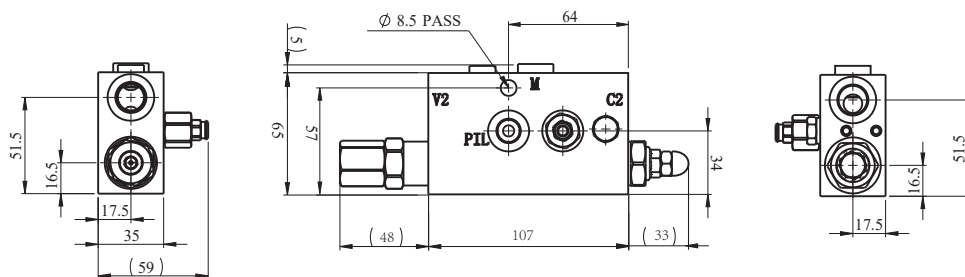
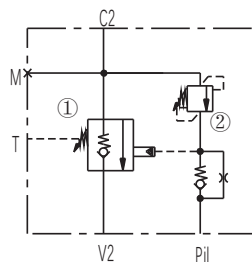


TECHNICAL DATA

Technische Parameter

Max. flow 50L/min
 Max. working pressure 420bar
 Valve 1 cracking pressure 7.5bar
 Valve 1 Adj.pressure range 6-15bar
 Valve 2 setting pressure 350bar(5L/min)
 Valve 2 Adj.pressure range 260-450bar
 Material Steel Stahl
 Weight 1.9 kg

Maximaler Durchfluss
 Maximaler Arbeitsdruck
 Ventil 1 Öffnungsdruck
 Einstellbarer Druckbereich des Ventils 1
 Ventil 2 Einstelldruck
 Einstellbarer Druckbereich des Ventils 2
 Material
 Gewicht



	Ports Häfen
V2/C2	G 3/8"
P11/T/M	G 1/4"

ORDERING CODE Bestellcode

YG 01 B2

-

50

LOAD LOWERING CONTROL VALVE

Explosionsschutzventil

YG02B1-150

FLANGED MOUNTING SAE 1/2" 6000psi

Flanschmontage

TECHNICAL DATA

Technische Parameter

Max. flow

Max. working pressure

Vavle 1 cracking pressure

Vavle 2 setting pressure

Vavle 2 Adj. pressure range

Material

Weight

150L/min

420bar

7.5bar

6-15bar

350bar(5L/min)

260-450bar

Steel Stahl

7 kg

Maximaler Durchfluss

Maximaler Arbeitsdruck

Ventil 1 Öffnungsdruck

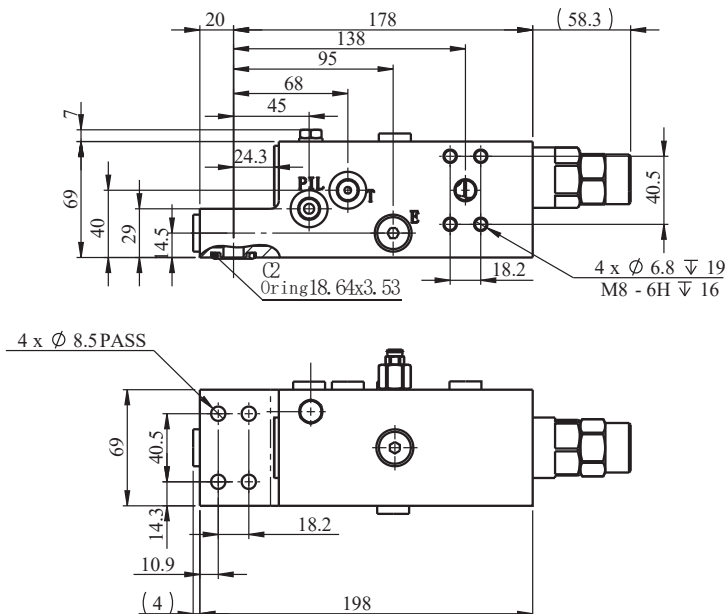
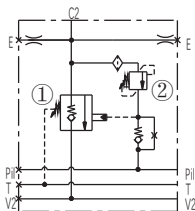
Einstellbarer Druckbereich des Ventils 1

Ventil 2 Einstelldruck

Einstellbarer Druckbereich des Ventils 2

Material

Gewicht



ORDERING CODE Bestellcode

YG 02 B1

-

150

Ports Häfen	
V2/C2	SAE 1/2" 6000psi
PIL/T/E	G 1/4"

LOAD LOWERING CONTROL VALVE

Explosionsschutzventil

YG02B1-250

FLANGED MOUNTING SAE 3/4" 6000psi

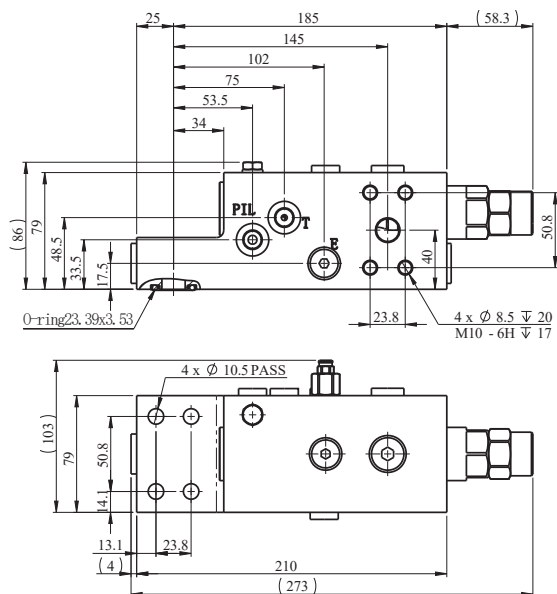
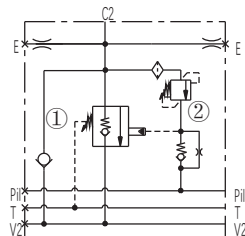
Flanschmontage

TECHNICAL DATA

Technische Parameter

Max. flow 250L/min
 Max. working pressure 420bar
 Valve 1 cracking pressure 7.5bar
 Valve 1 Adj.pressure range 6-15bar
 Valve 2 setting pressure 350bar(5L/min)
 Valve 2 Adj.pressure range 260-450bar
 Material Steel Stahl
 Weight 8 kg

Maximaler Durchfluss
 Maximaler Arbeitsdruck
 Ventil 1 Öffnungsdruck
 Einstellbarer Druckbereich des Ventils 1
 Ventil 2 Einstelldruck
 Einstellbarer Druckbereich des Ventils 2
 Material
 Gewicht



ORDERING CODE Bestellcode

YG 02 B1

-

250

	Ports Häfen
V2/C2	SAE 3/4" 6000psi
PIL/T/E	G 1/4"

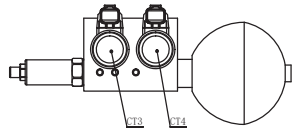
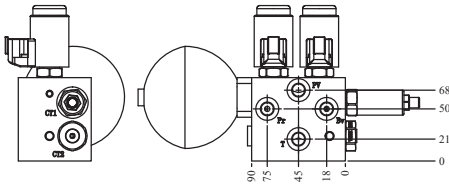
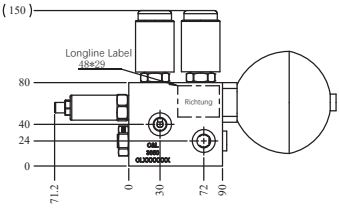
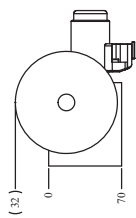
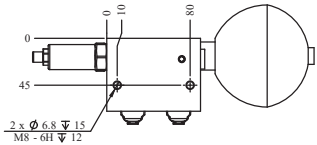
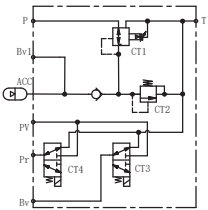
313310XW60G01A

TECHNICAL DATA

Technische Parameter

Rated flow 20L/min
Working pressure 350bar
Voltage DC14V DEUTSCH
Body Material Cast Iron Gusseisen

Nennstrom
Betriebsdruck
Spannung
Material



Ports Häfen	
P/T/Bv1/ Pv/Pr/Bv	G 1/4"

ORDERING CODE Bestellcode

313310XW60G01A

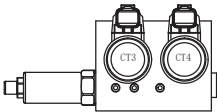
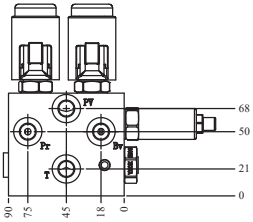
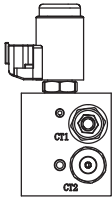
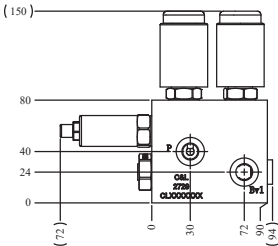
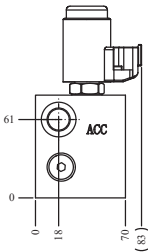
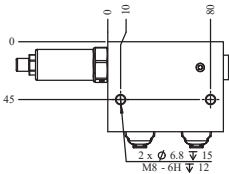
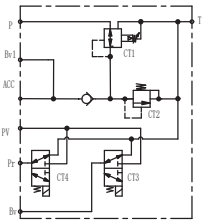
313310XW60G01B

TECHNICAL DATA

Technische Parameter

Rated flow 20L/min
Working pressure 350bar
Voltage DC14V DEUTSCH
Body Material Cast Iron Gusseisen

Nennstrom
Betriebsdruck
Spannung
Material



	Ports Häfen
ACC	M18*1.5
Restölhafen	G 1/4 "

ORDERING CODE Bestellcode

313310XW60G01B

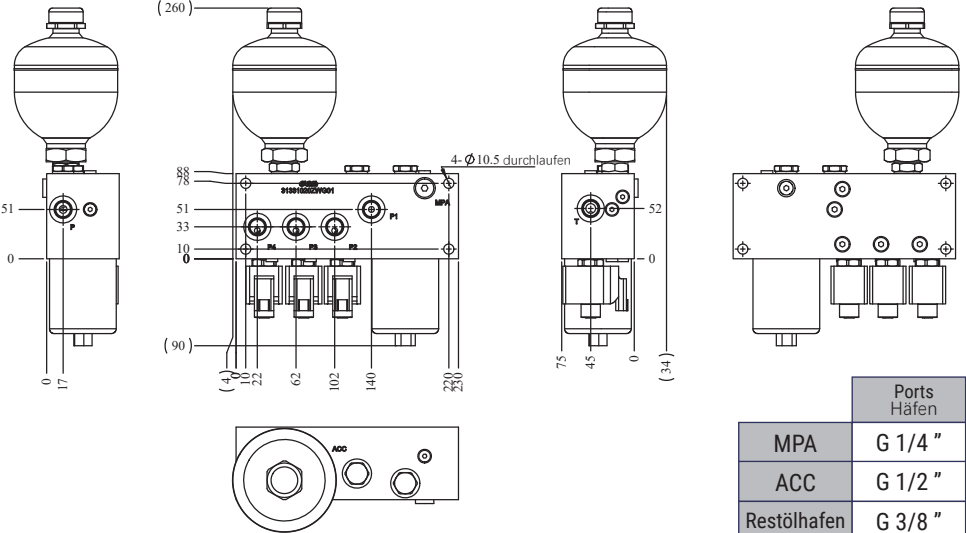
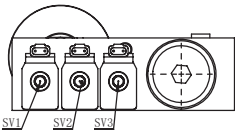
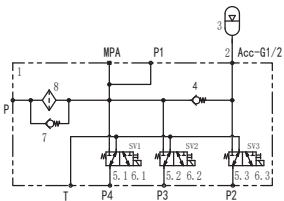
31331020ZWG01

TECHNICAL DATA

Technische Parameter

Rated flow 25L/min
Working pressure 40bar
Voltage DC27V DEUTSCH
Body Material Aluminium Aluminium

Nennstrom
Betriebsdruck
Spannung
Material



	Ports Häfen
MPA	G 1/4 "
ACC	G 1/2 "
Restöihafen	G 3/8 "

ORDERING CODE Bestellcode

31331020ZWG01

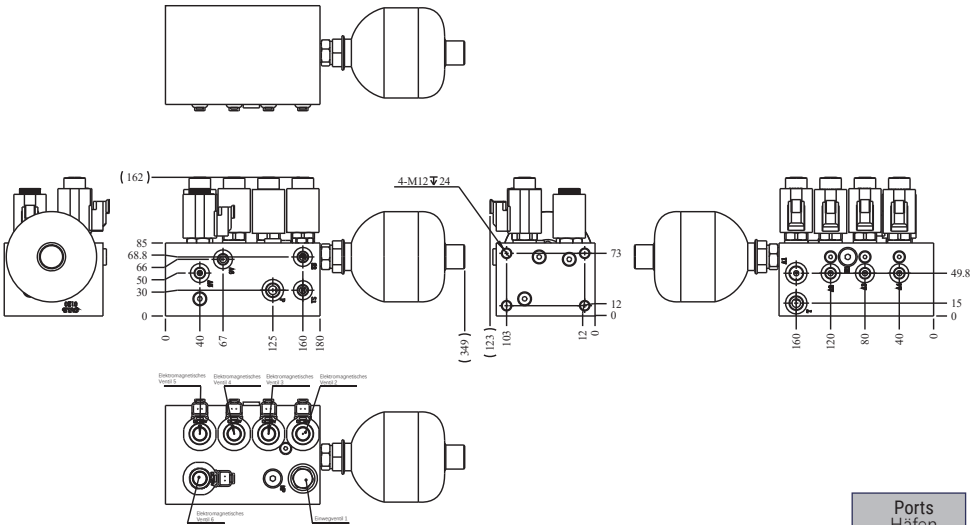
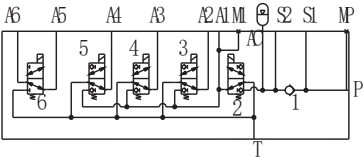
313310048TG01C00

TECHNICAL DATA

Technische Parameter

Rated flow 20L/min
Working pressure 40bar
Voltage DC28V DEUTSCH
Body Material Cast Iron Gusseisen

Nennstrom
Betriebsdruck
Spannung
Material



	Ports Häfen
P/T/A1	G 3/8 "
Restölhafen	G 1/4 "

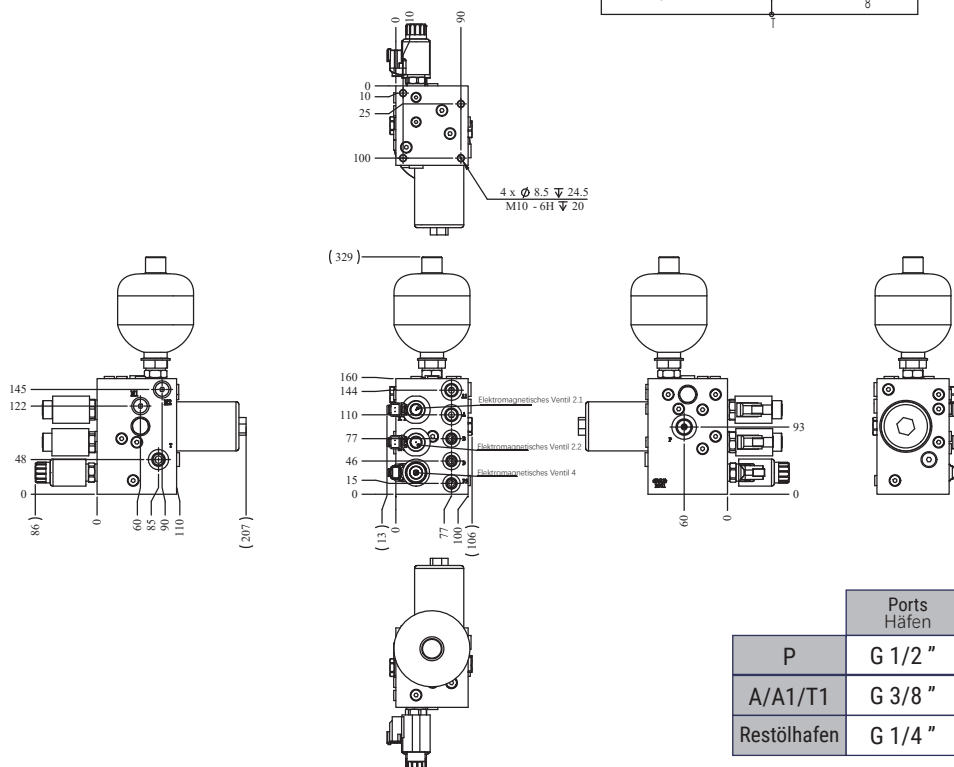
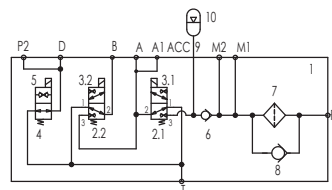
ORDERING CODE Bestellcode

313310048TG01C00

313310070TG03C00

Technische Parameter

Nennstrom
Betriebsdruck
Spannung
Material



	Ports Häfen
P	G 1/2 "
A/A1/T1	G 3/8 "
Restölhafen	G 1/4 "

ORDERING CODE Bestellcode

3 1 3 3 1 0 0 7 0 T G 0 3 C 0 0

313310070TG02A00

TECHNICAL DATA

Technische Parameter

Rated flow

Working pressure

Body Material

35L/min

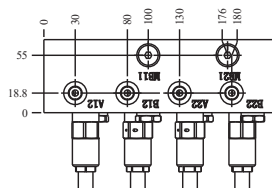
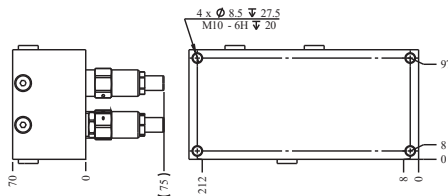
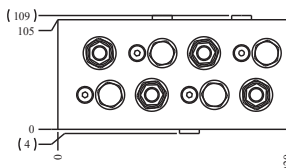
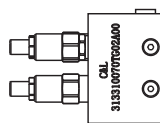
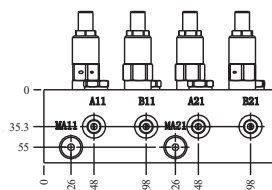
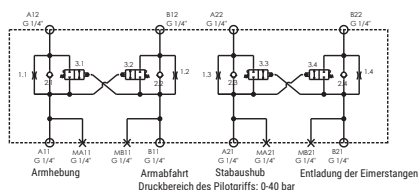
40bar

Cast Iron Gusseisen

Nenndurchsatz

Betriebsdruck

Material



Ports Häfen

Restölhafen

G 1/4"

ORDERING CODE Bestellcode

313310070TG02A00

Bereitstellung einer Komplettlösung Provide a one-stop solution

Übernahme der Entwicklung, Konstruktion und Herstellung elektromechanischer und hydraulischer Produkte sowie der Verarbeitung und Herstellung von Komponenten/
Heißexplosionsentgratung/Inspektion und Prüfung/Schulung und andere verwandte Dienstleistungen



Elektrohydraulische Steuerung



Bearbeitete Teile



Hydrauliksystem



Mechanische Struktur

TECHNICAL CATALOGUE



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