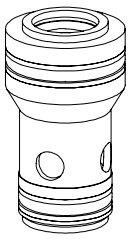
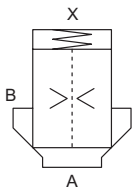
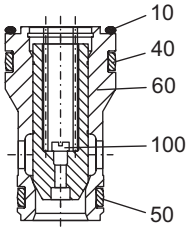
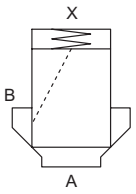
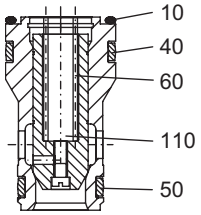
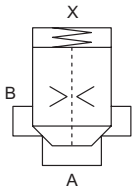
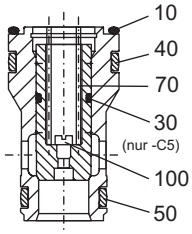
2 position, 2 way cartridge valve
- **Q_{max} = 700 l/min**
- **p_{max} = 350 bar**

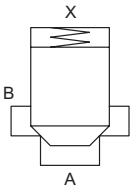
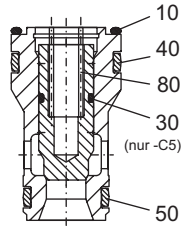
NG 32
ISO 7368
DIN 24342

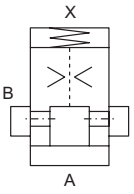
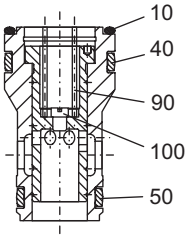


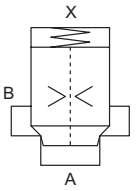
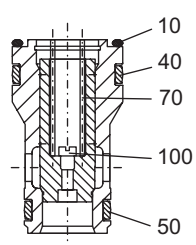
Type: CS32-10/.. **General application:** Pressure relief valve	**Symbol:**  Opening ratio: 1:1	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

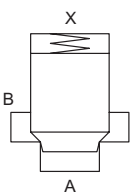
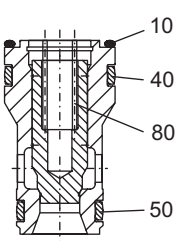
Type: CS32-10/..-C7 **General application:** Non-return valve	**Symbol:**  Opening ratio: 1:1	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

Type: CS32-12/.. **General application:** Spool valve **Type:** CS32-12/..-C5 **General application:** Poppet valve	**Symbol:**  Opening ratio: 1:1,2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

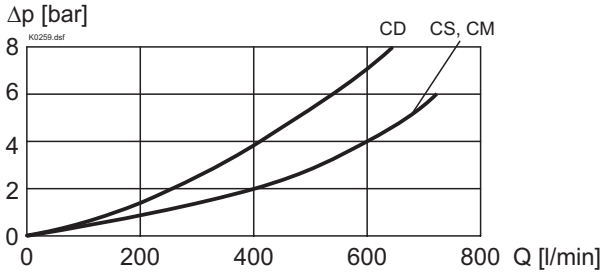
Type: CS32-20/.. **General application:** Spool valve **Type:** CS32-20/..-C5 **General application:** Poppet valve	**Symbol:**  Opening ratio: 1:2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

Type: CM32-10/.. **General application:** Pressure reducing valve	**Symbol:**  Opening ratio: 1:1	 Closing pressure: B → A 3.0 bar

Type: CD32-12/.. **General application:** Flow valve	**Symbol:**  Opening ratio: 1:1,2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

Type: CD32-20/..- **General application:** Flow valve	**Symbol:**  Opening ratio: 1:2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar

CHARACTERISTICS Oil visconsity: υ = 30 mm²/s



Opening pressure B→A = f (Area ratio opening pressure A→B)

Area ratio	Opening pressure [bar]	
	A → B	B → A
1:1,2	0.5	2.5
1:1,2	2.0	10.0
1:1,2	5.0	25.0
1:2	0.5	0.5
1:2	2.0	2.0
1:2	5.0	5.0

GENERAL SPECIFICATIONS

Design	2 way cartridge valve
Installation	any
Installation dimension	to ISO 7368 / DIN 24 342 refer to data shee:t 2.13-1023
Ambient temp.	-20…+50°C
Weight spool	m = 0,267 kg
Weight total	m = 0,895 kg

HYDRAULIC SPECIFICATIONS

Fluid	Mineral oil, other fluid on request
Contamination	ISO 4406:1999, class 18/16/13
Efficiency	Required filtration grade (ß6...10≥75) (refer to data sheet Nr. 1.0-50/2)
Viscosity range	12 mm²/s ... 320 mm²/s
Fluid temperature	-20…+70°C
Working pressure	p_{max} = 350 bar (Connections A, B, X)
Max. volume flow	Q_{max} = 700 l/min
Pilot oil volume	Q_{st} = 7,8 cm³

TYPE CODE

C ☐ 32 - ☐ / ☐ / ☐ - ☐ # ☐

Slip-in cartridge		
Poppet spool		S
Poppet spool with damping		D
Spool		M
Size 32		
Area ratio:	1:1	10
	1:1,2	12
	1:2	20 *
Opening pressure A → B:	0 bar (no spring)	0
	0.5 bar	05
	2.0 bar	20
	3.0 bar	30
	5.0 bar	50
Orifice in poppet spool:	plugged	0
	0.4 mm	0.4
	0.6 mm	0.6
	usw.	
Omit if ordered without orifice or plug		
* Omited as no provision for orifice made		
Special features for poppet spools only:		
Check function X connected to B port		C7
additional seal on poppet spool		C5
Design-Index (subject to change)		

PARTS LIST

Position	Article	Description
10	160.2522	O-Ring ID 52,39x3,53
30	160.2266	O-Ring ID 26,64x2,62
40	49.0600	Cover-Seal PU 83 rd 60/53,8x6,1
50	49.0451	Cover-Seal PU 83 rd 45/40,5x5,1
60	53.5401	Spring 2x20,5x82,1
	53.6901	Spring 2,8x20,5x83,7
	53.7900	Spring 3,8x20,5x78,4
70	53.4900	Spring 1,8x20,5x79,4
	53.6902	Spring 2,6x20,5x79,3
	53.7403	Spring 3,4x20,5x77,5

Position	Article	Description
80	53.3900	Spring 1,5x20,5x70,2
	53.5901	Spring 2,2x20,5x67,3
	53.7404	Spring 3x20,5x63,5
90	52.6405	Spring 2,5x22,5x54
100	246.1003	Cyl. screw M4x4 VSM 213302
	117.1001	Orifice bing M4 / 0,4
	117.1003	Orifice bing M4 / 0,6
	117.1005	Orifice bing M4 / 0,8
	117.1007	Orifice bing M4 / 1,0
110	246.1003	Cyl. screw M4x4 VSM 213302