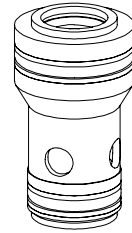
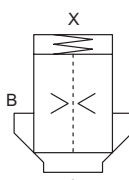
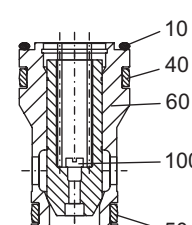
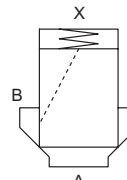
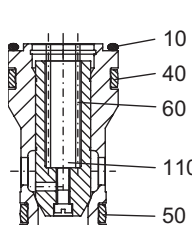


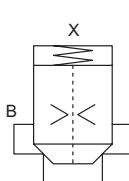
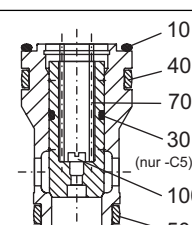
2 position, 2 way cartridge valve

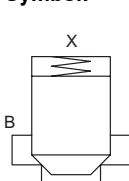
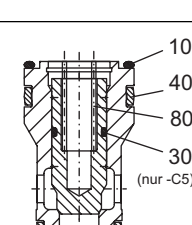
- $Q_{max} = 400 \text{ l/min}$
- $p_{max} = 350 \text{ bar}$

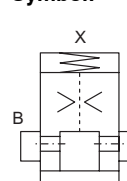
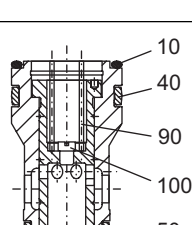
NG 25
 ISO 7368
 DIN 24342


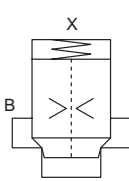
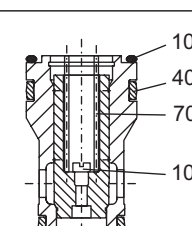
Type: CS25-10/.. General application: Pressure relief valve	Symbol:  Opening ratio: 1:1	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
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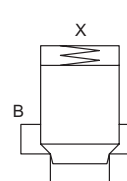
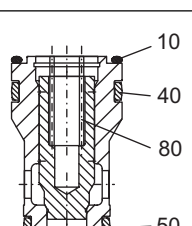
Type: CS25-10/...-C7 General application: Non-return valve	Symbol:  Opening ratio: 1:1	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
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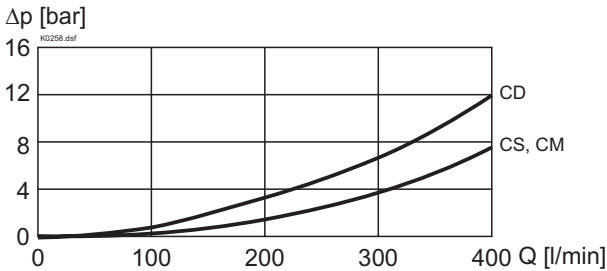
Type: CS25-12/.. General application: Spool valve	Symbol:  Opening ratio: 1:1,2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
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Type: CS25-20/.. General application: Spool valve	Symbol:  Opening ratio: 1:2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
--	--	--

Type: CM25-10/.. General application: Pressure reducing valve	Symbol:  Opening ratio: 1:1	 Closing pressure: B → A 3.0 bar
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Type: CD25-12/.. General application: Flow valve	Symbol:  Opening ratio: 1:1,2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
---	--	--

Type: CD25-20/...- General application: Flow valve	Symbol:  Opening ratio: 1:2	 Opening pressure: A → B 0.5; 2.0; 5.0 bar
---	--	--

CHARACTERISTICS Oil viscosity $\nu = 30 \text{ mm}^2/\text{s}$

 Opening pressure $B \rightarrow A = f(\text{Area ratio Opening pressure } A \rightarrow B)$

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 sheet 2.13-1022
Ambient temp.	-20...+50°C
Weight spool	m = 0,140 kg
Weight total	m = 0,420 kg

HYDRAULIC SPECIFICATIONS

Fluid	Mineral oil, other fluid on request
Contamination	ISO 4406:1999, class 18/16/13
Efficiency	Required filtration grade (B6...10≥75) (refer to data sheet Nr. 1.0-50/2)
Viscosity range	12 mm ² /s...320 mm ² /s
Fluid temperature	-20...+70°C
Working pressure	p _{max} = 350 bar (connections A, B, X)
Max. volume flow	Q _{max} = 400 l/min
Pilot oil volume	Q _{st} = 3,7 cm ³

TYPE CODE

C 25 - / / - #

Slip-in cartridge	
Poppet spool	<input type="checkbox"/> S
Poppet spool with damping	<input type="checkbox"/> D
Spool	<input type="checkbox"/> M
Size 25	
Area ratio:	<input type="checkbox"/> 10 <input type="checkbox"/> 12 <input type="checkbox"/> 20 *
Opening pressure A → B:	<input type="checkbox"/> 0 bar (no spring) <input type="checkbox"/> 0.5 bar <input type="checkbox"/> 2.0 bar <input type="checkbox"/> 3.0 bar <input type="checkbox"/> 5.0 bar
Orifice in poppet spool:	<input type="checkbox"/> 0 <input type="checkbox"/> 0.4 <input type="checkbox"/> 0.6 usw.
Omit if ordered without orifice or plug	
* Omitted as no provision for orifice made	
Special features for poppet spools only:	
Check function X connected to B port	<input type="checkbox"/> C7
additional seal on poppet spool	<input type="checkbox"/> C5

Design-Index (subject to change)

PARTS LIST

Position	Article	Description
10	160.2372	O-Ring ID 37,70x3,53
30	160.2203	O-Ring ID 20,29x2,62
40	49.0450	Cover-Seal PU 83 rd 45/38,8x6,1
50	49.0340	Cover-Seal PU 83 rd 34/29,5x5,1
60	53.4801	Spring 1,8x15,7x60,2
	53.6302	Spring 2,4x15,7x62,2
	53.7300	Spring 3x15,7x62
70	53.4300	Spring 1,6x15,7x57,3
	53.5800	Spring 2,25x15,7x59,5
	53.6800	Spring 2,6x15,7x62,3

Position	Article	Description
80	53.2800	Spring 1,1x15,2x57,6
	53.4301	Spring 1,7x15,7x56,2
	53.5900	Spring 2,1x15,7x60,5
90	53.6301	Spring 2,3x15,3x34
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