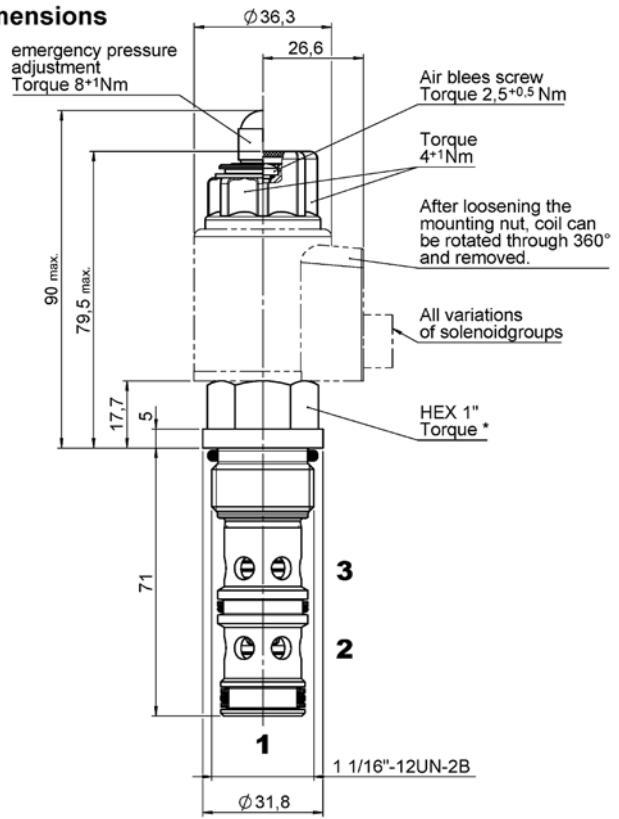


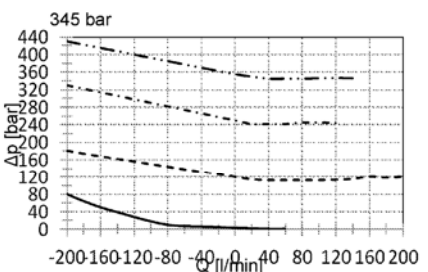
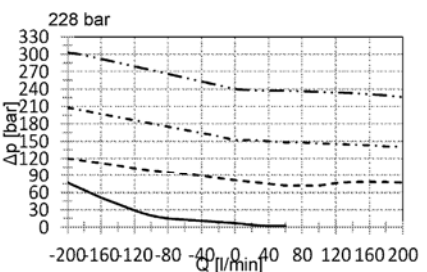
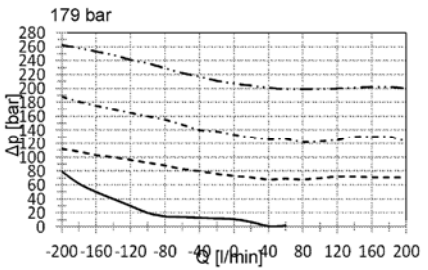
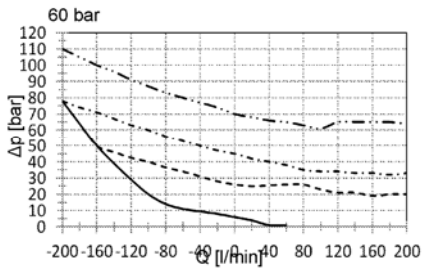
Dimensions



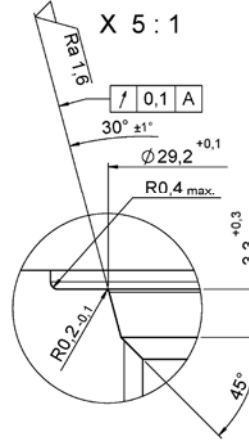
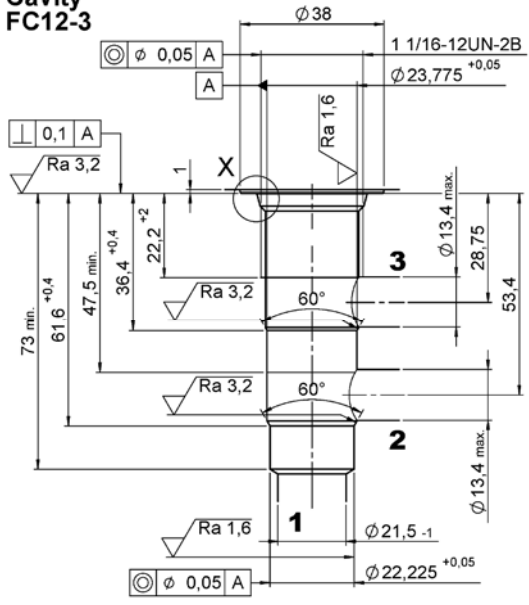
Performance

measured at 46 cSt; T_{oil} = 40 °C

- 1050 mA
- 790 mA
- 525 mA
- 0 mA



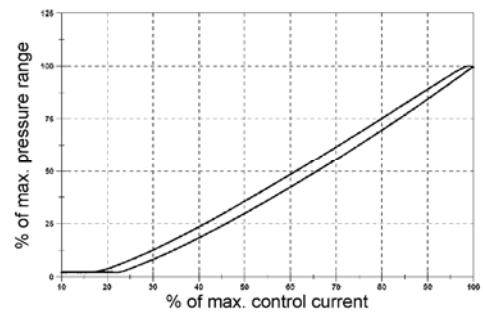
Cavity FC12-3



Model code

PDR12P-01-C-N-330-0

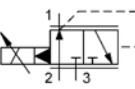
Basic model
 3-Way-Proportional-Pressure Relief Valve
Type
 01 = standard
Body and ports
 C = cartridge only
Seals
 N = NBR (standard)
 V = FPM (optional)
Pressure range
 087 = up to 60 bar (870 PSI)
 260 = up to 180 bar (2600 PSI)
 330 = up to 230 bar (3300 PSI)
 500 = up to 350 bar (5000 PSI)
Without coil



Technical data

Type
3-Way-Proportional-Pressure Relief Valve, Spool type, pilot-operated

Symbol



General

Installation: no orientation restrictions
 Weight: 0,325 kg
 Ambient temperature range: -20 °C to +60 °C

Hydraulic

Operating pressure: max. 350 bar
 Operating pressure ranges: 60, 179, 228, 345 bar
 Tank pressure: max. 350 bar (Tank line pressure is added to the pressure setting)
 Nominal flow: max. 180 l/min
 Media operating pressure range: -20 °C to +100 °C
 Operating fluid: Hydraulic oil acc. to DIN 51524 Part 1 to 3
 Viscosity range: 10 mm²/s to 420 mm²/s
 Filtration: Class 18/16/13 acc. to 19/17/14 to ISO 4406 or cleaner

Electrical

Nominal voltage: U_N = 12 V / 24 V
 Current: I_N = 2100 mA / 1050 mA
 PWM-frequency: 200 Hz
 Nominal resistance: 2,2 Ω / 8,8 Ω
 Duty cycle: 100%

Preferred models

Model code	Part-No.
PDR12P-01-C-N-087-0	4010816
PDR12P-01-C-N-260-0	4010817
PDR12P-01-C-N-330-0	4010818
PDR12P-01-C-N-500-0	4010819
PDR12P-01M-C-N-087-0	4011967
PDR12P-01M-C-N-260-0	4011968
PDR12P-01M-C-N-330-0	4011969
PDR12P-01M-C-N-500-0	4011970

*Torque:
 Steel manifold (ultimate tensile strength > 360 N/mm²): 120 Nm
 Aluminium manifold (ultimate tensile strength > 330 N/mm²): 85 Nm (tool acc. to DIN EN ISO 6789, tool type II class A or B)
 For further informations see brochure No. 53.000
 "Conditions and instruction for valves"

Herewith we confirm to meet the basic and well-tried safety principles to ISO 13849-2:2013 chart C.1 and C.2.
 The predictable MTTf_d-Value shall be derived from ISO 13849-1:2015 table C.1.
 The user is obliged to fulfil the requirements of the basic and well-tried safety principles for the installation and operation of the hydraulic components.

All details in this specification are subject to technical modifications!

HYDAC ADA Version	Werkstückkanten Cortices ISO 1717/13	Oberflächenbeschaffenheit Surface quality	ISO 1302	Allgemeintoleranzen / General tolerances ISO 2768 - m	SIZE ISO 14405
			CH-00894	Form u. Lagetoleranz / Toleranzklasse Geometrical tolerances / Tolerance class	
			1:1	Längenmaße / linear dimensions (mm)	
				Werkstoff / Material	Masse / Mass
					0,000
G4 A	01 03 2018 10 01 2018	BILLM2 RIESS	953506	Auftr.-Entw.-Projekt-Nr. Ord.-Devel.-Project-No	Maßstab Fertigmaße / Finished size
Anz. No	gepr.am Chkd. on	gepr. von Chkd. by	Ä. M. Nr. / Notice of change No	Teil / Part 000	Datum / Date
Ver. Vers.	geänd. am	geänd. von	Modif. by	gepr./Drawn	20 02 2015
				gepr./Chkd.	28 02 2015
Blatt von Sheet of			Benennung/Description		
1/1			MBL PDR12P-01(M)-C-...-0		
Format/Size			A2		
SW-Vers.			2016		
				Zeichn.-Nr Draw.-No	04012890
				alte Mat Nr. / Old Mat No.	
				alte Dok Nr. / Old Doc No.	
				Ers. für / Exchange for	
				Ers. durch / Replaced by	