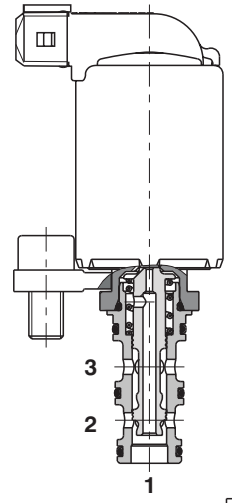
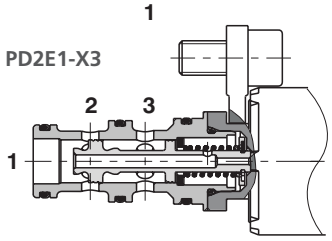
PD2E1

Size D17/D20 • Q_{max} 30 l/min (8 GPM) • p_{max} 80 bar (1200 PSI)

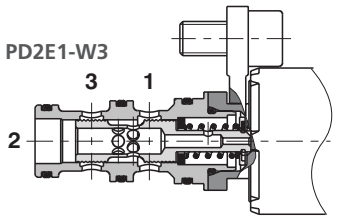
PD2E1-Y3



PD2E1-X3



PD2E1-W3

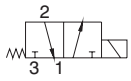
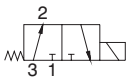


Technical Features

- 3/2 directional valve in an economical design
- Hardened precision parts
- High flow capacity
- Variety of optional spools available
- Standard version zinc-coated with surface protection acc. to ISO 9227 (240 h salt spray)

Functional Description

3-way, 2-position spool valve in the form of an economically designed slip-in cartridge. The valve is designed for use in the low-pressure systems of mobile applications, e.g. for functional control of transmissions.

Model Code	2D21	2D26
Symbol		

Technical Data

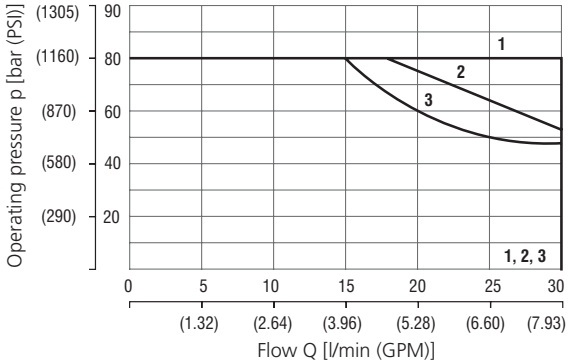
Valve size / Cartridge cavity		D17 / Y3	D20 / X3, W3
Max. flow	l/min (GPM)	30 (7.9)	
Max. operating pressure version Y, X (2, 3), W (3,1)	bar (PSI)	80 (1160)	
Max.operating pressure version Y, X (1), W (2)	bar (PSI)	30 (440)	
Fluid temperature range	°C (°F)	-30...90 (-22...194), +100 (212) short-time	
Ambient temperature range	°C (°F)	-30...90 (-22...194), +100 (212) short-time	
Supply voltage tolerance	%	± 10	
Supply voltage	V	12 DC	24 DC
Quenching diode		BZW06-19B	BZW06-33B
Enclosure type acc. to EN 60529		IP67 / IP 69K	
Weight	kg (lbs)	0.2 (0.44)	

		Datasheet	Type		
Valve			PD2E1-Y3	PD2E1-X3	PD2E1-W3
General information		GI_0060	Products and operating conditions		
Valve bodies	In-line mounted	SB_0018	SB-Y3-*	SB-W3-*	
Cavity details		SMT_0019	SMT-Y3*	SMT-W3*	
Spare parts		SP_8010			

Characteristics measured at ν = 32 mm²/s (156 SUS)

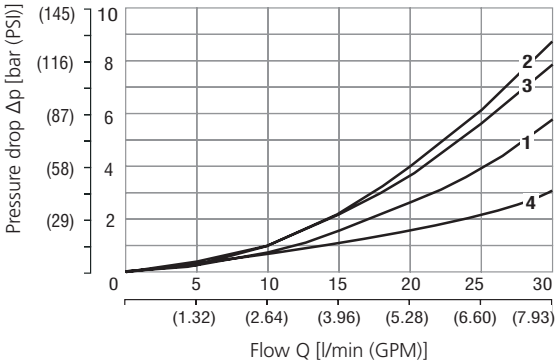
Operating limits

Oil 90 °C (194 °F) / Ambient temperature 90 °C (194 °F) / Voltage U_n ± 15% (21.6 VDC)



		Model	Connection
Y3	1	2D21	2→1
	1		3→2
	1	2D26	3→2
	1		2→1
X3	1	2D21	2→1
	2		3→2
W3	3	2D21	2→1
	1		3→2

Pressure drop related to flow rate



		Model	Connection
Y3	1	2D21	2→1
	2		3→2
	3	2D26	2→1
	2		3→2
X3	3	2D21	3→2
	4		2→1
W3	1	2D21	2→1
	1		3→2

For operating limits under conditions and flow directions other than shown contact our technical support.