BENCOR (Pty) Ltd.

Pressure valves

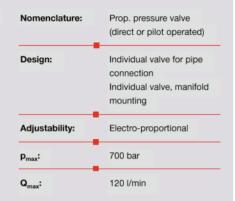


Proportional pressure limiting valves type PMV and PDV

These pressure limiting valves are electrically remote controlled and rule the hydraulic pressure within the system. This enables arbitrary control of the maximum pressure in the circuit thereby protecting it depending on the momentarily required condition.

These valves are either directly actuated (type PMV) or piloted (type PDV). There is a minimum pressure necessary of 3 bar up-stream to ensure flawless operation of the integrated prop. pressure reducing valve.





Basic types and general parameters

Basic type		PMV			PDV			Symbol	
Function	pressure limiting valve (direct operated)				ressure limiting valve (piloted)				manifold mounting valve
Size	4	5	6	8	3	4	5		
Flow Q _{max} (I/min)	16	16 60	60 75	120	40	80	120	P R	
Pressure range:									
pressure p _{max}	41: 180	41: 110	41: 80	41: 45	N: 130	N: 130	N: 130		H-1-H
(bar)	42: 290	42: 180	42: 130	42: 70	M: 200	M: 200	M: 200		г — к
	43: 440	43: 270	43: 190	43: 110	H: 350	H: 350	H: 350		
	44: 700	44: 450	44: 320	44: 180					
Tapped	G 1/4	G 1/4	G 3/8	G 3/4	G 1/2	G 3/4	G 1		
ports 1)	G 3/8	G 3/8	G 1/2	G 1					
		G 1/2	G 3/4					1) version for pipe o	onnection

Additional versions

- Version for separate control oil supply, enabling flawless pressure reduction starting from almost 0 bar (type PMVS or PMVPS) (see also "additional information")
- Additional 2/2-way solenoid valve for arbitrary idle circulation (only type PDV)

Solenoid voltage

- 12V or 24V DC
- Control via proportional amplifier (see also "Additional information")