

<https://www.imi-precision.com/uk/en/list>



Proportional Valves





Proportional valves or I/P or E/P convertors convert variable or current voltage signal into a proportional output.

Proportional Valves	2/2- way proportional pressure control valves	3/2- way proportional pressure control valves	Intrinsically safe 3/2- way proportional pressure control valves	5/3- way and 3/2- way proportional pressure control valves
				
Materials	Brass, Stainless Steel, Cast Iron	Cast Iron, Ductile Cast Iron	Cast Iron, Gun metal	Brass
Connections	Thread, Flange	Thread, Flange	Thread, Flange	Thread, Flange
Port sizes	G 1/8" ... G 2" 1/8" NPT ... 2" NPT DN 15 ... DN 50	G 1/2" ... G 3" DN 15 ... DN 150	G 1/2" ... G 2" DN 15 ... DN 150	G 1/4" ... G 2" 1/4" NPT ... 1/2" NPT
Medium	Oil free and dry air	Oil free and dry air, Neutral gases	Oil free and dry air	Oil free and dry air
Flow max.	/	1.400 l / min.	300 l / min	1.200 l / min.
Output Pressure	0 ... 10 bar	0 ... 10 bar	0 ... 1 bar	-1 ... 16 bar
Input Signal	4 ... 20 mA 0 ... 10 V	4 ... 20 mA 0 ... 10 V	4 ... 20 mA 0 ... 10 V	4 ... 20 mA 0 ... 10 V, -5 V ... +5V
Protection Class	IP 65	IP 30, IP 65	IP 66	IP 65
Temperature range	-10°C ... 90°C	-40°C ... 85°C	-40°C ... 85°C	5°C ... 60°C

- > High flow rates
- > Fast response
- > Excellent accuracy and performance characteristics

Safety Valves

We offer safety valves to help our Customers fully comply with the requirements of DIN ISO13849-1.

Safety Valves	Lockout valves with Integral silencer	Self-monitoring safety valves with soft start	Self-monitoring safety valves	Press safety valves	Two-hand control units
					
Materials	Aluminium	Aluminium	Aluminium	Polyurethane	Steel
Sizes	G 1/2" ... G 1"	G 1/2"	G 1/4" ... G 1"	G 1/4" ... G 2"	4 mm PIF
Operation	3/2	3/2	3/2	2 X 2/2, 2 X 3/2, 3/2	3/2
Operating pressure	0 ... 20 bar	2,5 ... 10 bar	2 ... 10 bar	3 ... 10 bar	3 ... 8 bar
Temperature range	-30°C ... 80°C	-10°C ... 60°C	-10°C ... 60°C	-10°C ... 60°C	-5°C ... 40°C

- > Protection against accidental operation
- > Requires no cyclical monitoring or evaluation system
- > Helps you comply to OSHA regulations
- > Safety components according to EN574 Class IIIB
- > With the appropriate application, performance level "e" (cat. 4) of DIN EN ISO 13849-1
- > Easily fitted into existing systems