

Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Important: Refer to the Product Data section through-out this process

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Control rubbers, together with the shape of their enclosure, controls the flow rate. Precision Nitrile type are supplied as standard unless otherwise requested.

If installations parameters render standard Precision control rubbers unsuitable, see below for the full range of control rubber types available.

Factors to consider when selecting alternative control rubbers for the valves.

- Maximum pressure differential
- Compatibility with chemical environment
- Operating temperature
- Noise
- Body material compatibility



Rubber Type	Abbreviation	Rubber Material	Pressure Differential Range	Flow Accuracy	Max Temp
Precision (standard)	“P”	Nitrile	140 – 1000 kPa (1.4 – 10 bar)	+/-10%	60C
Applications - Supplied as standard, they offer the best flow rate accuracy and tolerate a wide range of chemical environments, making them suitable for most mains pressure, pumping, industrial, and water treatment applications. This product complies with the WaterMark license and AS4020 Potable Water requirement.					
Kwyflo	“K”	Nitrile	140 – 1000 kPa (1.4 – 10 bar)	+/-20%	60C
Applications - For applications where noise must be minimised. Originally used for domestic water saving applications, they are also suited to industrial applications. Not available in Stainless Steel bodies.					
Low Pressure	“LP”	Nitrile	40 – 400 kPa (0.4 – 4 bar)	+/-20%	60C
Applications - Used where the installation demands a low headloss flow controller. NOTE: Only Available in No 15 Series Rubbers from 5.0 lpm upwards					
High Pressure (1)	“N6”	Nitrile	140 – 1500 kPa (1.4 – 15 bar)	+/-20%	60C
Applications - Used where installation pressures exceed that which Precision valves will handle. Not compatible with PVC bodies.					
High Pressure (2)	“N7”	Nitrile	170 – 2000 kPa (1.7 – 20 bar)	+/-20%	60C
Applications - Used where installation pressures exceed that which Precision and High Pressure 1 valves will handle. Compatible with Stainless Steel bodies only.					
High Flow	“HF”	Nitrile	140 – 700 kPa (1.4 – 7 bar)	varies	60C
Applications - Where available, allow for higher than standard maximum flow rates for body size.					
EPDM	“EP”	EPDM	140 – 1500 kPa (1.4 – 15 bar)	+/-20%	100C
Applications - For handling higher temperatures and pressures than standard Precision nitrile. They are also suitable in a caustic environment which makes them ideal for the alumina industry.					
EPDM High Pressure 2	“E7”	EPDM	170 – 2000 kPa (1.7 – 20 bar)	+/-20%	100C
Applications - For handling higher temperatures and pressures than standard nitrile and EPDM. They are also suitable in a caustic environment which makes them ideal for the alumina industry. Compatible with Stainless Steel bodies only.					
Viton	“V”	Viton	140 – 1000 kPa (1.4 – 10 bar)	+/-20%	200C
Applications - For where temperatures above 100 degrees Celsius, and below 200 degrees Celsius are encountered. Viton is also the preferred material in chemical environments where both Nitrile or EPDM control rubbers are unsuitable.					