

Function

Maric valves maintain a constant, pre-set, flow rate, irrespective of pressure (within a range), by means of a precision moulded rubber control ring, whose orifice diameter varies, as the pressure differential across it varies. The greater the pressure, the smaller the orifice, and vice versa. Therefore constant flow rate.

Identification;

- Valves are stamped with; Maric Australia, WaterMark details if applicable, direction of flow arrow, part number, flow rate & manufacture date.
- The part number includes a string of characters and numerals. These characters refer to each of the specification criteria necessary to fully describe a flow control valve. Please refer to the "Specifying Maric Valves" document for details on this.
- The Accuracy and Pressure Differential range 'abbreviation characters' and specifications are as per the chart below.

Accuracy and Pressure Differential ranges;

Maric Name	Abbreviation	Control Rubber	Pressure Differential Range	Flow Rate Accuracy
• Precision (standard)	"P"	Nitrile	140 – 1000 kPa, 1.4 – 10 bar	+/-10%
• Kwyflo (quiet operation)	"K"	Nitrile	140 – 1000 kPa, 1.4 – 10 bar	+/-20%
• Spotcheck (for economy)	"T"	Nitrile	140 – 1000 kPa, 1.4 – 10 bar	+/-20%
• Low Pressure	"LP"	Nitrile	40 – 300 kPa, 0.4 – 3 bar	+/-20%
• High Pressure (1)	"N6"	Nitrile	140 – 1500 kPa, 1.4 – 15 bar	+/-20%
• High Pressure (2)	"N7"	Nitrile	170 – 2000 kPa, 1.7 – 20 bar	+/-20%
• High Flow	"HF"	Nitrile	140 – 700 kPa, 1.4 – 7 bar	t.b.a.
• EPDM Control Rubbers	"EP"	EPDM	140 – 1500 kPa, 1.4 – 15 bar	+/-20%
• EPDM High Pressure 2	"E7"	EPDM	170 – 2000 kPa, 1.7 – 20 bar	+/-20%
• Viton Control Rubbers	"V"	Viton	140 – 1000 kPa, 1.4 – 10 bar	+/-20%

Maximum Operating Temperatures;

- Brass, Gunmetal, & S/Steel bodies, with Nitrile rubbers; 60°C
- Brass, Gunmetal, & S/Steel bodies, with EPDM rubbers; 100/120°C
- S/Steel bodies, with Viton rubbers; 200/250°C
- PVC bodies; 50/50°C.

Maintenance;

No specific maintenance requirements are pertinent to Maric Flow Control Valves.

Life Expectancy;

Approximately 20 years, depending on accuracy required. Flow rate increases generally one half to one percent per year. Therefore in 20 years time, flow rate may be 10% to 20 % higher than when valve was originally supplied.

www.maric.com.au

Telephone:

08 8431 2281

(Int'l 61 8 8431 2281)

Facsimile:

08 8431 2025

