

**Maric Constant Flow Valves**

Constant Flow Rate  
Regardless of Pressure



**Application**

For providing the centrifugal pumping industry with a constant glandwater flow rate to pump glands, - with backflow prevention. A constant pre-set maximum flow rate to centrifugal pump glands can be achieved irrespective of fluctuating gland-water supply pressure, gland condition, or centrifugal pump discharge pressure.

**Benefits**

- A constant supply of glandwater to the gland, ensures the life of expensive pump seals are maximised.
- Can ensure that the slurry will not be unnecessarily diluted.
- Prevents one centrifugal pump from robbing all the available gland water in the event of its failure, which could result in the simultaneous failure of all other glands supplied from the same water supply.
- Minimise wastage of available water supplies

**Features**

- Constant glandwater flow rate
- Back-flow prevention
- High pressure and high temperature handling
- Corrosion and scale resistant assembly



**Non-Return Feature.**

The maintenance free design of the Maric valve uses the flow control rubber as the flexible sealing component in the non-return mechanism. The flexing of the control rubber under normal operating conditions prevents scale build-up on the rubbers surface, which ensures a reliable seal, even after extended periods of no reverse pressure.

**Standard Performance**

- Pressure Differential Range**
- Headloss**
- Flow Rate Accuracy**
- Available Flow Rates**  
(litres/min)
- Check Valve Operation**
- Body Material**
- Thread Configuration**
- Threads, BSPT**
- Threads, NPT** (non-standard)
- Max Hydrostatic Pressure**
- Temperature Range**

Unless otherwise specified, **EP type EPDM** control rubbers are fitted giving the valve the following standard performance;

140 – 1500 kPa  
 140 kPa at rated flow. ( At lower than rated flows headloss reduces significantly. )  
 +/- 20%  
 .4 / .45 / .5 / .55 / .63 / .7 / .8 / .9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.5 / 1.6 / 1.8 / 2.0 / 2.3 / 2.5 / 2.8 / 3.2 / 3.5 / 4.0 / 4.5 / 5.0 / 5.5 / 6.3 / 7.0 / 8.0 / 9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 lpm  
 Closed when reverse pressure of 70 kPa exists

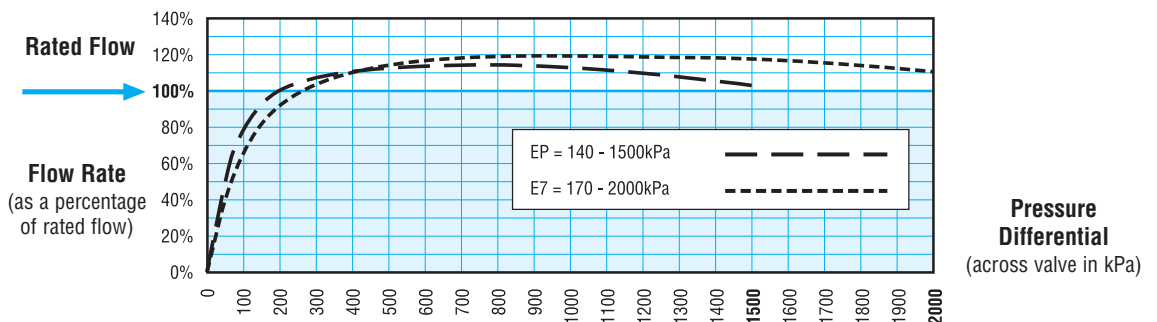
303 Stainless Steel to ASTM484/A582  
 F&M, Female inlet (parallel), Male outlet,(tapered)  
 15mm (1/2") BSPT to AS1722.1 Female Series RP, Male Series R  
 15mm (1/2") NPT to ANSI/ASME B1.20.1, Female NPSC, Male NPT  
 6000 kPa  
 0- 100 degrees C.

**Non-Standard Specifications**

High pressure 2, "E7", 170 – 2000 kPa. is also available. Alternative flow rates apply

**Performance Curve Options – Maric, No 15 Flow Control Check Valve**

EP = 140 - 1500kPa, High Pressure 2 (E7) = 170 - 2000 kPa



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**Please Specify When Ordering:**

Options / Description	Body Size	Configuration	Body Material	Control Rubber	Check	Flow Rate
	15mm	F&M	Stainless	EP (or E7)	C	0.4 to 18 lpm

Example Part Number for 18 lpm;

**15 FM S EP C 18**  
 (Add N here for NPT if required)