

Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Application

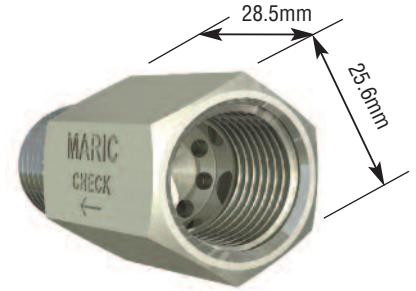
For providing the centrifugal pumping industry with a constant glandwater flow rate to pump glands, - with backflow prevention. A constant pre-set maximum flow rate to centrifugal pump glands can be achieved irrespective of fluctuating gland-water supply pressure, gland condition, or centrifugal pump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

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

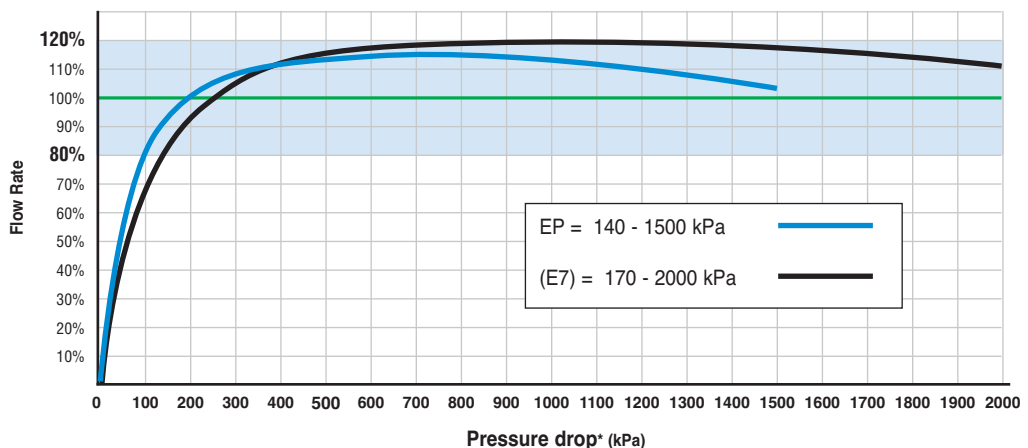
Pressure Differential Range	140 – 1500 kPa
Headloss	140 kPa at rated flow. (At lower than rated flows headloss, reduces significantly.)
Flow Rate Accuracy	+/- 20%
Available Flow Rates (litres/min)	.4 / .45 / .5 / .55 / .63 / .7 / .8 / .9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.5 / 1.6 / 1.8 / 2.0 / 2.3 / 2.5 / 2.8 / 3.0 / 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
Check Valve Operation	Closed when reverse pressure of 70 kPa exists
Body Material	303 Stainless Steel to ASTM484/A582
Thread Configuration	F&M, Female inlet (parallel), Male outlet,(tapered)
Threads, BSPT	15mm (1/2") BSPT to AS1722.1 Female Series RP, Male Series R
Threads, NPT (non-standard)	15mm (1/2") NPT to ANSI/ASME B1.20.1, Female NPSC, Male NPT
Max Hydrostatic Pressure	6000 kPa
Temperature Range	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 - 1500 kPa, High Pressure 2 (E7) = 170 - 2000 kPa



www.maric.com

Telephone:

08 8431 2281

(+61 8 8431 2281)

Facsimile:

08 8431 2025



Please Specify When Ordering:

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

Options / Description

Example Part Number for 18 lpm; **15 FM S EP C 18**

(Add N here for NPT if required)