

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.

Dimensions & Indications

Standard Performance

Unless otherwise specified, standard Nitrile "Precision" type control rubbers are fitted giving the valve the following standard performance:

Pressure Differential Range	1.4 – 10 bar
Headloss	1.4 bar at rated flow. (At lower than rated flows headloss reduces significantly.)
Flow Rate Accuracy	+/- 10%
Available Flow Rates (L/min)	15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 L/min

Check Valve Operation	Closed when reverse pressure of 0.7 bar exists
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Materials

Body	316 Stainless Steel to ASTM484/A276
Thread Configuration	FM, Female inlet (parallel), Male outlet, (tapered)
Threads, BSPT	25mm (1") BSPT to AS1722.1, Female Series RP, Male Series R
Threads, NPT (non-standard)	25mm (1") NPT to ANSI/ASME B1.20.1, Female NPSC, Male NPT
Max Hydrostatic Pressure	60 bar
Temperature Range	0 – 60 °C. (100 °C for non-standard EPDM control rubbers)

Non-Standard Specifications

Control rubber material	EPDM for higher temp and / or caustic handling
Pressure differential ranges	1.4 – 15 bar & 1.7 – 20 bar. In EPDM or Nitrile – Refer to "How to Specify Maric Valves".

Performance Graph – Typical of all PRECISION valves irrespective of body size or flow rate

