

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

Pressure Differential Range

Unless otherwise specified, **standard** Nitrile “**Precision**” type control rubbers are fitted giving the valve the following standard performance;

Headloss

140 – 1000 kPa

Flow Rate Accuracy

140 kPa at rated flow. (At lower than rated flows, headloss reduces significantly.)

Available (Precision) Flow Rates

+/- 10%

(litres/min)

Check Valve Operation

15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 lpm

For flow rates in other control rubber types - contact a Maric rep.

Closed when reverse pressure of 70 kPa exists

Body Material

316 Stainless Steel to ASTM484/A276

Thread Configuration

F&M, 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. Female NPSC, Male NPT

Max Hydrostatic Pressure

6000 kPa

Temperature Range

0 - 60 degrees C. (100°C for non-standard EPDM control rubbers)

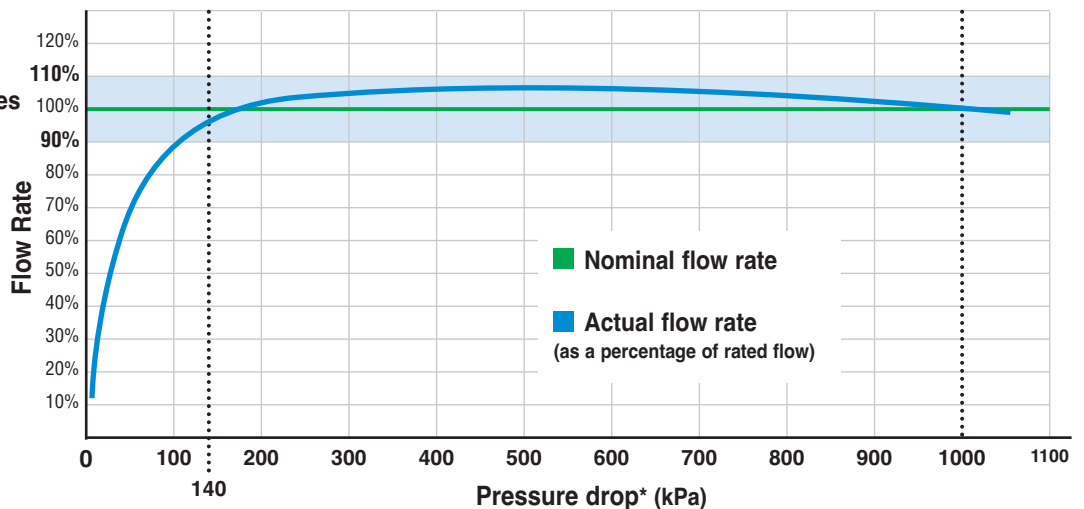
Non-Standard Specifications

Control rubber material EPDM for higher temp and / or caustic handling

Pressure differential ranges 140 - 1500 kPa., & 170 - 2000 kPa. In EPDM or Nitrile - Refer to “How to Specify Maric Valves” Alternative flow rates apply. Flow accuracy is +/- 20%

Performance graph for standard valves with control rubber type, Precision

*Pressure drop is the difference between inlet and outlet pressure across the valve.



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Please Specify When Ordering: Body Size **25mm** Configuration **F&M** Body Material **Stainless** Control Rubber **Precision (or other)** Check **C** Flow Rate **18 to 66 lpm**

Options / Description

Example Part Number for 66 lpm; **25 FM S P C 66**

(Add **N** here for NPT if required)