

Maric Flow Control Valves

Constant Flow Rate Regardless of Pressure

Application

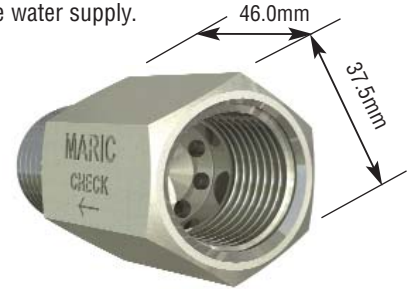
For providing the centrifugal pumping industry with a constant glandwater flow rate to pump glands, with backflow prevention. A constant pre-set maximum flow rate to centrifugal pump glands can be achieved irrespective of fluctuating gland-water supply pressure, gland condition, or centrifugal pump discharge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

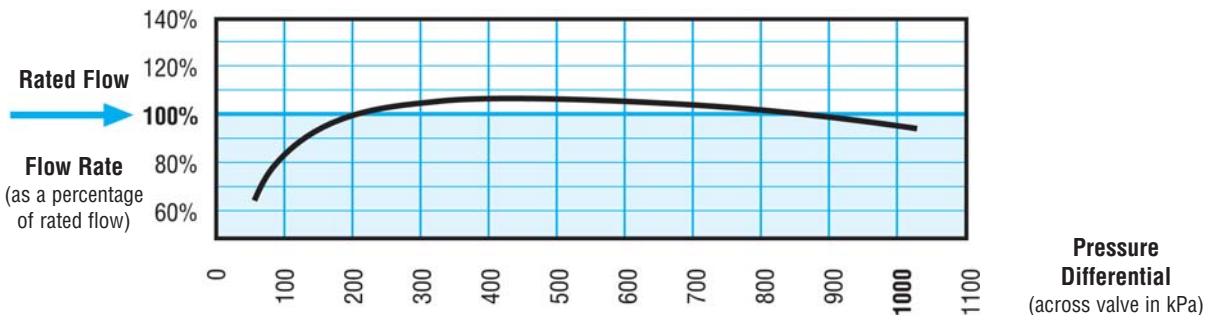
Unless otherwise specified, **standard** Nitrile “**Precision**” type control rubbers are fitted giving the valve the following standard performance;

Pressure Differential Range	140 – 1000 kPa
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Flow Rate Accuracy	+/- 10%
Available Flow Rates (litres/min)	15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 lpm
Check Valve Operation	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 Male Series R, Female Series RP
Threads, NPT (non-standard)	25mm (1”) NPT to ANSI/ASME B1.20.1 Male NPT, Female NPSC
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”

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



www.maric.com.au

Telephone:
 08 8431 2281
 (+61 8 8431 2281)
 Facsimile:
 08 8431 2025



Please Specify When Ordering:

Options / Description	Body Size 25mm	Configuration F&M	Body Material Stainless	Control Rubber Precision (or other)	Check C	Flow Rate 18 to 66 lpm
Example Part Number for 66 lpm;	25 FM S P C 66					
	(Add N here for NPT if required)					