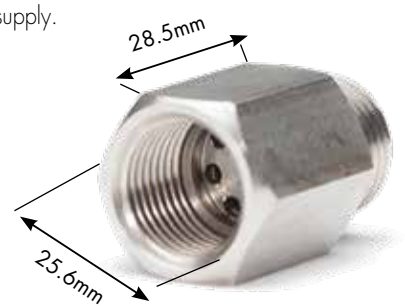
Flow Control Check Valve – 15mm BSP & NPT

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

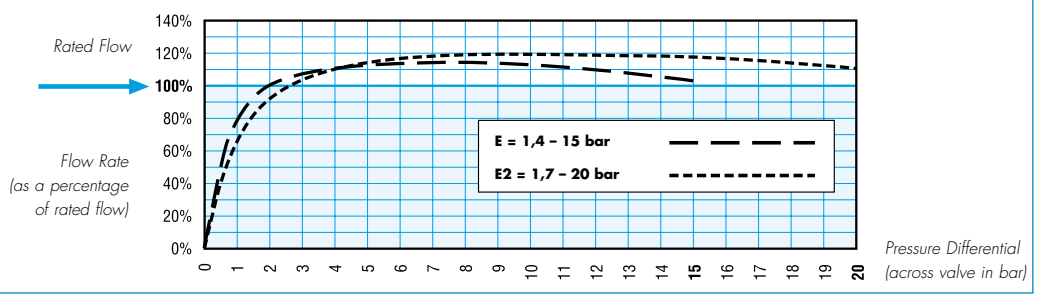
The maintenance free design of the Maric valve uses the flow control rubber as the flexible sealing component in the non-return mechanism. The flexing of the control rubber under normal operating conditions prevents scale build-up on the rubbers surface, which ensures a reliable seal, even after extended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

Other specifications

Performance	Unless otherwise specified, EPDM control rubbers are fitted giving the valve the following **standard performance**:
Pressure Differential Range	1.4 – 15 bar
Headloss	1.4 bar at rated flow. (At lower than rated flows headloss reduces significantly.)
Flow Rate Accuracy	+/- 20%
Available Flow Rates (L/min)	0,4 / 0,45 / 0,5 / 0,55 / 0,63 / 0,7 / 0,8 / 0,9 / 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 L/min
Check Valve Operation	Closed when reverse pressure of 0.7 bar exists
Materials	
Body	303 Stainless Steel to ASTM484/A582
Thread Configuration	FM, Female inlet (parallel), Male outlet,(tapered)
Threads, BSPT	15mm (1/2") BSPT to AS1722.1 Male Series R, Female Series RP
Threads, NPT (non-standard)	15mm (1/2") NPT to ANSI/ASME B1.20.1, Male NPT, Female NPSC
Max Hydrostatic Pressure	60 bar
Temperature Range	0 –100 degrees C
Non-Standard Specifications	EPDM High pressure 2 (E2), 1.7 – 20 bar is also available

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

E = 1.4 – 15 bar, EPDM High Pressure 2 (E2) = 1.7 – 20 bar



Bertfelt Teknik AB Flygfältsgatan 5, 128 30 Skarpnäck, Sweden. Phone: +46 (8) 745 43 60, e-mail: btinfo@bertfelt.com

Bertfelt
Brilliant solutions for the Industry