

Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Availability & Specifications – Maric Flow Control Valves

Designed for mounting between ANSI 150 and ANSI 300 pipe flanges.

Sizes	flow rate ranges avail.	standard no. of control rubbers
25mm	from 0.4 to 114 l/m	1
32mm	from 15 to 114 l/m	1
40mm	from 15 to 233 l/m	1
50mm	from 15 to 342 l/m	1 – 3
65mm	from 15 to 456 l/m	4
80mm	from 15 to 699 l/m	3
100mm	from 15 to 1279 l/m	6
150mm	from 15 to 2320 l/m	12
200mm	from 114 to 4427 l/m	19
250mm	from 114 to 6058 l/m	26
300mm	from 114 to 8854 l/m	38



Dimensions & Weights

Nominal size	25	32	40	50	65	80	100	150	200	250	300
Diameter - ANSI150	66.6	76.2	86.0	104.8	123.9	136.6	174.7	222.3	279.4	339.7	409.6
Diameter - ANSI 300	73.1	82.6	95.3	111.2	130.2	149.2	181.0	250.8	308.0	361.9	422.3
Thickness	22.0	22.0	22.0	22.0	22.0	22.0	24.0	24.0	28.0	32.0	40.0
Approx Weight Kg	0.6	0.7	0.9	1.2	1.2	1.6	2.7	5.0	11.0	19.0	31.0

Standard Performance

Unless otherwise specified, **standard** Nitrile “**Precision**” type control rubbers are fitted giving the valve the following standard performance; (Refer also to available; Product Data – Control Rubbers – Precision)

Pressure Differential Range
Flow Rate Accuracy
Headloss
Available Flow Rates

140 – 1000 kPa
 +/- 10%
 140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
 .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 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125 / 138 / 150 / 162 / 180 / 199 / 216 / 233 lpm up to 8854 lpm

Materials

Body
Sealing O’Rings

316 Stainless Steel to ASTM484/A276
 Nitrile, potable water approved to AS4020 or EPDM or Viton if applicable

Flange Specification

Suits ANSI flanges (ASME/ANSI B16.5)
 Alternative specs are available - *Refer to Valve Selection Guide.*
 Standard Wafers are not full flange type i.e. flange bolts locate wafer concentrically and remain visible when viewing assembly.
 Wafers are fitted with an o’ring in each face for sealing against smooth flat faced flanges. Gaskets will however be required where grooved, raised or rough cast face flanges are used.
 PVC and Poly Stub Flanges note; Due to smaller I.D. of these flanges/pipes, optional spacers are often required to prevent restriction.

Max Pressure Differential
Max Hydrostatic Pressure
Max Temperature
Compatible Control Rubbers

2000 kPa (for N7 & E7 rubbers Only)
 6000 kPa
 60°C for Nitrile control rubbers - 100°C for EPDM - 200°C for Viton
 Standard Precision P (Non Standard LP, N6, N7, EP, E7, V, HF)

Specifying valves

When ordering these valves, please be sure to specify;

- Body size
- Flange specification (ANSI 150 or otherwise)
- Body material
- Control rubber material and pressure differential range (if other than Precision)
- Flow Rate

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