

Maric Flow Control Valves

Specifications – Valve bodies

Constant Flow Rate Regardless of Pressure

Designed for mounting between Table “D” pipe flanges.

Sizes	flow rate ranges avail.	standard no. of control rubbers
20mm	from 0.4 to 114 l/m	1
25mm	from 0.4 to 233 l/m	1
32mm	from 0.4 to 233 l/m	1
40mm	from 0.4 to 233 l/m	1
50mm	from 0.4 to 342 l/m	1 – 3
65mm	from 0.4 to 456 l/m	4
80mm	from 0.4 to 699 l/m	3
100mm	from 0.4 to 1279 l/m	6
150mm	from 0.4 to 2320 l/m	12
200mm	from 125 to 4427 l/m	19
250mm	from 25 to 6058 l/m	26
300mm	from 125 to 8854 l/m	38



Dimensions & Weights

Nominal size	20	25	32	40	50	65	80	100	150	200	250	300
Diameter	61.0	71.0	75.0	86.0	98.0	111.0	130.0	162.0	219.0	276.0	336.0	386.0
Thickness	22.0	22.0	22.0	22.0	22.0	22.0	22.0	24.0	28.0	35.0	40.0	50.0
Approx Weight Kg	0.45	0.5	0.8	0.9	1.2	1.3	1.9	3.1	7.0	13.0	25.0	45.0

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

140 – 1000 kPa

Flow Rate Accuracy

+/- 10%

Headloss

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

Available Flow Rates

.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 / 3.2 / 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

LG2 or LG4 to BS1400

Sealing O’Rings

Nitrile, potable water approved to AS4020 or EPDM or Viton if applicable

Flange Specification

Suits standard table “D” flanges to AS2129 and AS4087 Class 14

Alternative specs are available - *Refer to Valve Selection Guide for additional info.*

Standard Wafers are not full flange type i.e. flange bolts locate wafer concentrically and remain visible when viewing assembly. PVC and Poly Stub Flanges note; Due to smaller I.D. of these flanges/pipes, Optional spacers are often required to prevent restriction. Please contact a Maric rep

Max Pressure Differential

1500 kPa or limited by Control Rubber type

Max Hydrostatic Pressure

6000 kPa

Max Temperature

60°C for Nitrile control rubbers, 100°C for EPDM

Compatible Control Rubbers

P, LP, N6, EP, K, V, HF

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Specifying valves

When ordering these valves, please be sure to specify;

- Body size
- Flange specification (if other than Table D)
- Body material
- Control rubber material and pressure differential range (if other than Precision)
- Flow Rate