

Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Availability & Specifications – Maric Flow Control Valves

Designed for mounting between Table “D” 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 | 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 | 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

Pressure Differential Range
Flow Rate Accuracy
Headloss
Available Flow Rates

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)

140 – 1000 kPa (Higher DP options available)

+/- 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 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. 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

2000 kPa (for N7 & E7 rubbers only)

Max Hydrostatic Pressure

6000 kPa

Max Temperature

60°C for Nitrile control Rubbers - 100°C for EPDM - 200°C for Viton

Compatible Control Rubbers

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

www.maric.com
 Ph: +61 8 8431 2281

