

Product Data

Screwed Valves

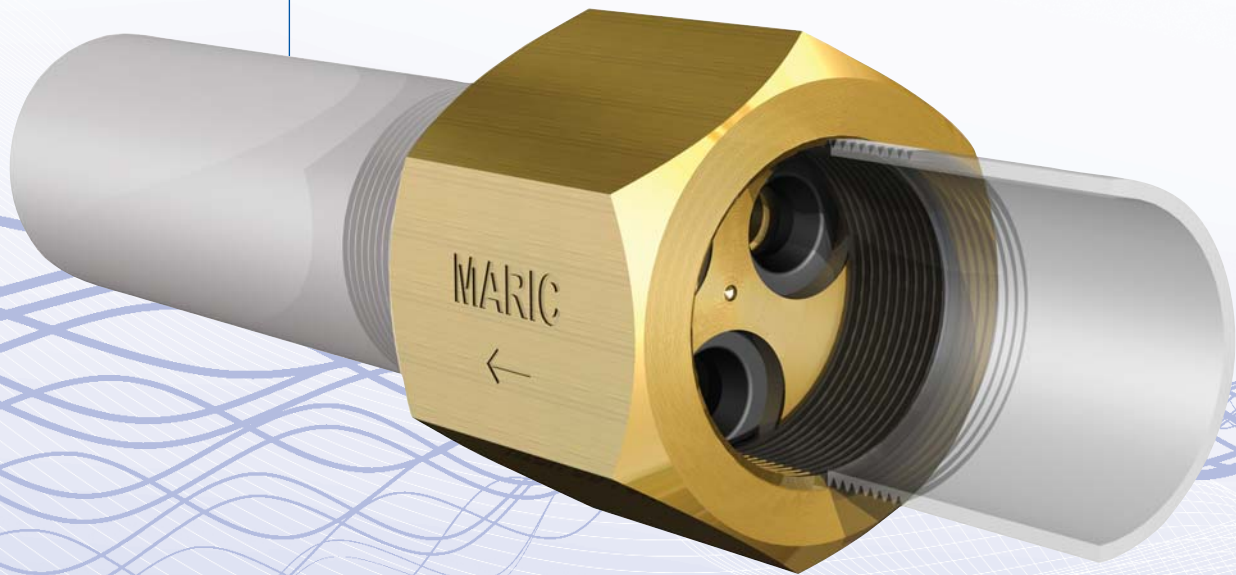
Brass and Chrome

PVC

Stainless Steel

Flow Control Check Valves - 15mm

Flow Control Check Valves - 25mm



Maric Constant Flow Valves

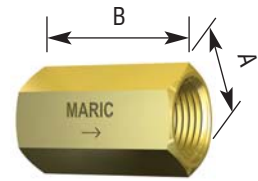
Constant Flow Rate Regardless of Pressure



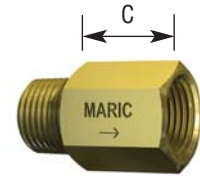
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Availability & Specifications – Maric Flow Control Valves

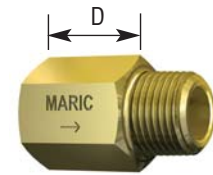
| Body Sizes | Configurations <i>First letter specifies inlet</i> | Flow Rate Availability <i>See all Available Flow Rates below</i> |
|------------|---|---|
| 6mm (1/4") | F&F | from 0.4 to 9 l/m |
| 10mm | F&F | from 0.4 to 9 l/m |
| 15mm | F&F, M&F, F&M | from 0.4 to 23 l/m |
| 20mm | F&F, M&F, F&M | from 0.4 to 54 l/m |
| 25mm | F&F, M&F, F&M | from 0.4 to 114 l/m |
| 32mm | F&F | from 0.4 to 233 l/m |
| 40mm | F&F | from 0.4 to 233 l/m |
| 50mm | F&F | from 0.4 to 342 l/m |



F&F



M&F



F&M

Dimensions & Weights

| Nominal size | 1/4" | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|--------------------|------|------|------|------|------|------|------|---------|
| A/F Dimension "A" | 18.0 | 22.0 | 25.4 | 31.8 | 40.0 | 50.8 | 57.0 | 70.0 |
| FF Body Length "B" | 32.0 | 33.1 | 41.8 | 47.9 | 58.0 | 66.2 | 66.2 | 74.8 |
| MF Body Length "C" | - | 15.0 | 23.2 | 30.8 | 39.7 | - | - | - |
| FM Body Length "D" | 18.4 | 15.0 | 23.2 | 28.6 | 36.4 | - | - | - |
| Approx Weight Kg | 0.06 | 0.07 | 0.1 | 0.18 | 0.3 | 0.6 | 0.8 | 1.3-2.2 |

Standard Performance

Pressure Differential Range
Flow Rate Accuracy
Headloss
Available Flow Rates
(litres/min)

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 with Precision Rubbers fitted. (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 / 3.2 / **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 342 lpm

Kwyflo flow rate options, (quiet design) are limited to the flows listed in **underlined bold type**

| | | |
|-----------------------------------|-------------------------|---|
| Materials | Body | "DR" Brass to AS1562 alloy 352 (plus chrome plating if applicable) Chrome plated valves are available in most 15, 20 & 25mm body sizes |
| Construction | Assembly Threads | Valves comply to Australian Technical Standards ATS5200-037.1 & AS4020 BSPT to AS ISO 7.1-2008 Male Series R, Female RP |
| Max Pressure Differential | | 1500 kPa (for N6 and EP rubbers only) |
| Max Hydrostatic Pressure | | 6000 kPa |
| Max Temperature | | 60°C for Nitrile control rubbers, 100°C for EPDM |
| Compatible Control Rubbers | | Standard Precision P (Non Standard LP, N6, EP, S, V, K, HF) |

Specifying valves

When ordering these valves, please be sure to specify;

- Body size • Thread configuration • Body material
- Control rubber material and pressure differential range - if other than Precision
- Flow Rate



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Telephone:

08 8431 2281

(+61 8 8431 2281)

Facsimile:

08 8431 2025



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure

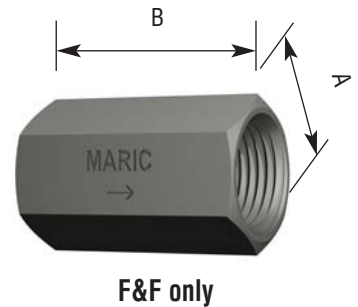


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Availability & Specifications – Maric Flow Control Valves

| Body Sizes | Configurations | Flow Rate Availability |
|------------|----------------|------------------------|
| 6mm (1/4") | F&F | from 0.4 to 9 l/m |
| 15mm | F&F | from 0.4 to 23 l/m |
| 20mm | F&F | from 0.4 to 54 l/m |
| 25mm | F&F | from 0.4 to 114 l/m |
| 32mm | F&F | from 0.4 to 233 l/m |
| 40mm | F&F | from 0.4 to 233 l/m |
| 50mm | F&F | from 0.4 to 342 l/m |

See all Available Flow Rates below



Dimensions & Weights

| Nominal size | 1/4" | 15 | 20 | 25 | 32 | 40 | 50 |
|--------------------|------|------|------|------|------|------|------|
| A/F Dimension "A" | 23.0 | 32.0 | 40.0 | 46.0 | 56.0 | 71.0 | 86.0 |
| FF Body Length "B" | 32.0 | 41.8 | 47.9 | 58.0 | 74.8 | 74.8 | 80.8 |
| Approx Weight Kg | 0.02 | 0.04 | 0.06 | 0.09 | 0.15 | 0.28 | 0.46 |

Standard Performance

Pressure Differential Range
Flow Rate Accuracy
Headloss
Available Flow Rates
(litres/min)

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

+/- 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 / 3.2 / **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 342 lpm

Kwyflo flow rate options, (quiet design) are limited to the flows listed in **underlined bold type**

Materials **Body**
Construction **Assembly**
 Threads
Max Pressure Differential
Max Hydrostatic Pressure
Max Temperature
Compatible Control Rubbers

UPVC compliant with AS4020 drinking water requirements

Valves comply to Australian Technical Standards ATS5200-037.1
BSP to AS ISO 7.1-2008 Series RP (Parallel)

1000 kPa, or limited by Control Rubber type

3000 kPa

50°C

Standard Precision P (Non Standard LP, EP, V, K, HF)

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Telephone:

08 8431 2281

(+61 8 8431 2281)

Facsimile:

08 8431 2025

Specifying valves

When ordering these valves, please be sure to specify;

- Body size • Thread configuration • Body material
- Control rubber material and pressure differential range - if other than Precision
- Flow Rate



Maric Constant Flow Valves

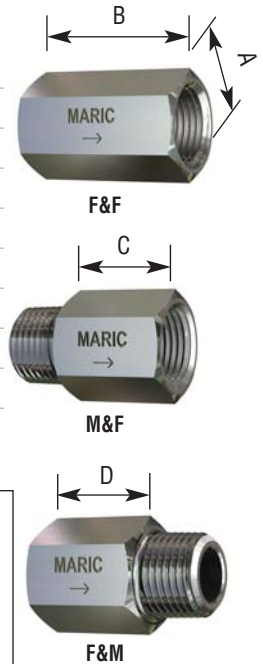
Constant Flow Rate Regardless of Pressure



Est. 1963

Availability & Specifications – Maric Flow Control Valves

| Body Sizes | BSP Configurations <i>First letter specifies inlet</i> | NPT Configurations <i>First letter specifies inlet</i> | Flow Rate Availability <i>See all Available Flow Rates below</i> |
|---------------------|---|---|---|
| 6x3mm (1/4" x 1/8") | F&M | - | from 0.4 to 9 l/m |
| 6mm (1/4") | F&F, F&M | F&F | from 0.4 to 9 l/m |
| 10mm | M&F | F&F | from 0.4 to 9 l/m |
| 15mm | F&F, M&F, F&M | F&F | from 0.4 to 23 l/m |
| 20mm | F&F | F&F | from 0.4 to 54 l/m |
| 25mm | F&F, M&F, F&M | F&F | from 0.4 to 114 l/m |
| 32mm | F&F | F&F | from 0.4 to 233 l/m |
| 40mm | F&F | F&F | from 0.4 to 233 l/m |
| 50mm | F&F | F&F | from 0.4 to 233 l/m |



Dimensions & Weights

| Nominal size | 1/4" x 1/8" | 1/4" | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|--------------------|-------------|------|------|------|------|------|------|------|------|
| A/F Dimension "A" | 18.0 | 18.0 | 22.0 | 25.4 | 31.8 | 40.0 | 57.0 | 57.0 | 70.0 |
| FF Body Length "B" | - | 32.0 | 33.1 | 41.8 | 47.9 | 58.0 | 66.2 | 66.2 | 74.8 |
| MF Body Length "C" | - | - | 15.0 | 23.2 | - | 39.7 | - | - | - |
| FM Body Length "D" | 18.6 | 18.6 | - | 23.2 | - | 36.4 | - | - | - |
| NPT (F&F only) | - | 32.8 | - | 42.0 | 43.1 | 57.0 | 61.6 | 61.6 | 62.4 |
| Approx Weight Kg | 0.03 | 0.04 | 0.05 | 0.1 | 0.18 | 0.22 | 0.83 | 0.7 | 1.0 |

Standard Performance

Pressure Differential Range
Headloss
Flow Rate Accuracy
Available Flow Rates
(litres/min)

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)

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

+/- 10%

.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

| Materials | Body | 316 Stainless Steel to ASTM484/A276 |
|-----------|-----------------------------------|---|
| | Threads, BSPT | BSPT to AS ISO 7.1-2008 Male Series R, Female RP (Standard) |
| | Threads, NPT | NPT to ANSI/ASME B1.20.1 Female NPSC, Male NPT |
| | 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) |

www.maric.com

Telephone:

08 8431 2281

(+61 8 8431 2281)

Facsimile:

08 8431 2025

Specifying valves

When ordering these valves, please be sure to specify;

- Body size • (NPT if applicable) • Thread configuration • Body material
- Control rubber material and pressure differential range - if other than Precision
- Flow Rate



Maric Constant Flow Valves

Constant Flow Rate
Regardless of Pressure



Est. 1963

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

- Pressure Differential Range**
- Headloss**
- Flow Rate Accuracy**
- Available Flow Rates**
(litres/min)
- Check Valve Operation**
- Body Material**
- Thread Configuration**
- Threads, BSPT**
- Threads, NPT** (non-standard)
- Max Hydrostatic Pressure**
- Temperature Range**

Unless otherwise specified, **EP type EPDM** control rubbers are fitted giving the valve the following standard performance;

140 – 1500 kPa
 140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
 +/- 20%
 .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 lpm
 Closed when reverse pressure of 70 kPa exists

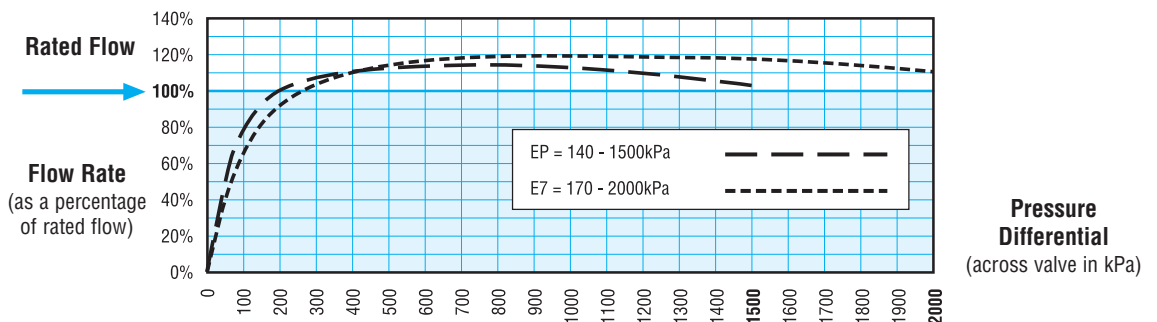
303 Stainless Steel to ASTM484/A582
 F&M, Female inlet (parallel), Male outlet,(tapered)
 15mm (1/2") BSPT to AS1722.1 Female Series RP, Male Series R
 15mm (1/2") NPT to ANSI/ASME B1.20.1, Female NPSC, Male NPT
 6000 kPa
 0- 100 degrees C.

Non-Standard Specifications

High pressure 2, "E7", 170 – 2000 kPa. is also available. Alternative flow rates apply

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

EP = 140 - 1500kPa, High Pressure 2 (E7) = 170 - 2000 kPa



www.maric.com
 Telephone:
 08 8431 2281
 (+61 8 8431 2281)
 Facsimile:
 08 8431 2025



Please Specify When Ordering:

| Options / Description | Body Size | Configuration | Body Material | Control Rubber | Check | Flow Rate |
|-----------------------|-----------|---------------|---------------|----------------|-------|---------------|
| | 15mm | F&M | Stainless | EP (or E7) | C | 0.4 to 18 lpm |

Example Part Number for 18 lpm;

15 FM S EP C 18
 (Add N here for NPT if required)

Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

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

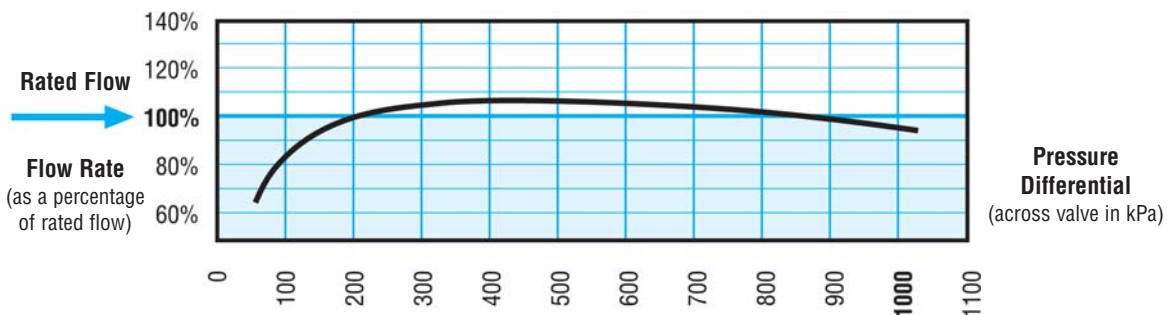
Unless otherwise specified, **standard** Nitrile “**Precision**” type control rubbers are fitted giving the valve the following standard performance;

| | |
|---|--|
| 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 Female Series RP, Male Series R |
| Threads, NPT (non-standard) | 25mm (1”) NPT to ANSI/ASME B1.20. Female NPSC, Male NPT |
| 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”
 Alternative flow rates apply

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



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08 8431 2281

(+61 8 8431 2281

Facsimile:

08 8431 2025



Please Specify When Ordering: Body Size **25mm** Configuration **F&M** Body Material **Stainless** Control Rubber **Precision (or other)** Check **C** Flow Rate **18 to 66 lpm**

Options / Description
 Example Part Number for 66 lpm;

25 FM S P C 66

(Add **N** here for NPT if required)