



Control Rubber Availability & Product Data

- Precision Nitrile
- Low Pressure
- High Pressure 1 Nitrile
- High Pressure 2 Nitrile
- EPDM
- High Pressure 2 EPDM
- Viton
- Kwyflo



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V715

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Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data Precision Rubbers - (P)

p. 1

General Applications and Environments

Precision control rubbers are supplied as standard.

Precision rubbers offer the best flow rate accuracy and tolerate a wide range of chemical environments.

This makes them suitable for most mains pressure, pumping, industrial, and water treatment applications.

This product complies with the WaterMark license and AS4020 Potable Water requirement.

Available flow rates litres/minute

No.6 Series Rubbers

.2 / .25 / .3 / .35 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

8.0 / 9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59

No.25 Series Rubbers

15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114

No.40 Series Rubbers

114 / 125 / 138 / 150 / 162 / 180 / 199 / 216 / 233

Rubber Material	Nitrile
Part Number Abbreviation	P
Pressure Differential Range	140 – 1000 kPa
Flow Rate Accuracy	+ / - 10%
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	60°C
Body Compatibility	Brass, Gunmetal, PVC, Stainless Steel



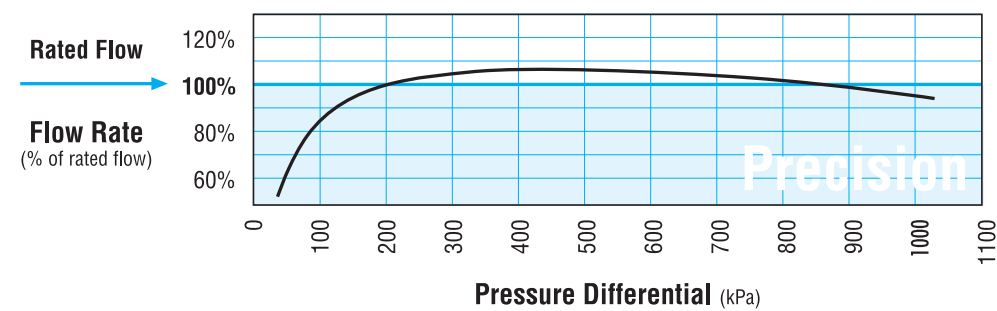
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Page 1 of 1
V715

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



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data

Low Pressure Rubbers - (LP)

p. 2

General Applications and Environments

Low Pressure control rubbers are generally used where the installation demands a low headloss flow controller.

Available flow rates litres/minute

No.6 Series Rubbers

5.0 / 5.5 / 6.3 / 7.0 / 8.0 / 9.0

No.15 Series Rubbers

5.0 / 5.5 / 6.3 / 7.0 / 8.0 / 9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23

No.20 Series Rubbers

7.0 / 8.0 / 9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54

No.25 Series Rubbers

13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114

No.40 Series Rubbers

91 / 102 / 114 / 125 / 138 / 150 / 162 / 180 / 199 / 216 / 233

Rubber Material	Nitrile
Part Number Abbreviation	LP
Pressure Differential Range	40 – 400 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	40 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	60°C
Body Compatibility	Brass, Gunmetal, PVC, Stainless Steel



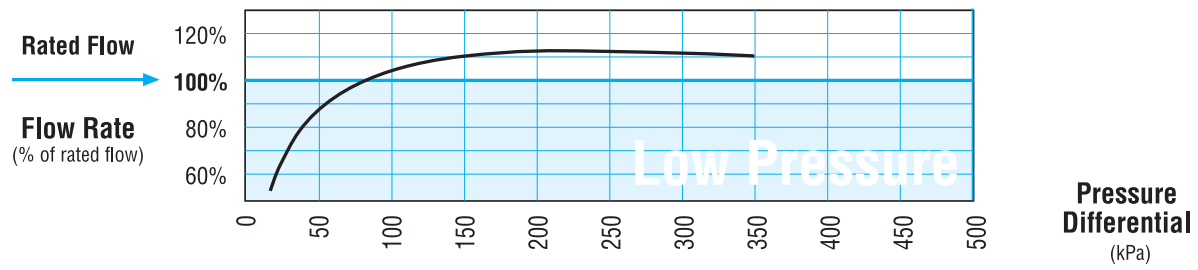
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – Low Pressure (LP)



Many flow rates actually operate up to well over 300 kPa. Should this be a requirement for a particular application, please discuss this with a Maric representative.

Note. A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data High Pressure 1 Rubbers - (N6)

p. 3

General Applications and Environments

High Pressure (1) control rubbers are generally used where installation pressures exceed that which Precision valves will handle.

Available flow rates litres/minute

No.6 Series Rubbers

.25 / .35 / .4 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59

No.25 Series Rubbers

18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125

No.40 Series Rubbers

138 / 150 / 162 / 180 / 199 / 216 / 233 / 256



Rubber Material	Nitrile
Part Number Abbreviation	N6
Pressure Differential Range	140 – 1500 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	60°C
Body Compatibility	Brass, Gunmetal, Stainless Steel

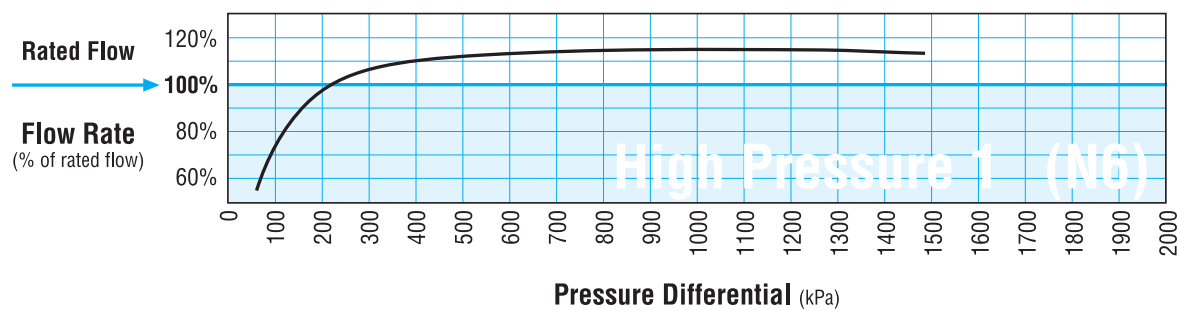
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – High Pressure 1 (N6)



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data High Pressure 2 Rubbers - (N7)

p. 4

General Applications and Environments

High Pressure (2) control rubbers are generally used where installation pressures exceed that which Precision and High Pressure 1 valves will handle.

Available flow rates litres/minute

No.6 Series Rubbers

.3 / .4 / .45 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73

No.25 Series Rubbers

23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125 / 138 / 150

No.40 Series Rubbers

162 / 180 / 199 / 216 / 233 / 256



Rubber Material	Nitrile
Part Number Abbreviation	N7
Pressure Differential Range	170 – 2000 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	170 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	60°C
Body Compatibility	Stainless Steel

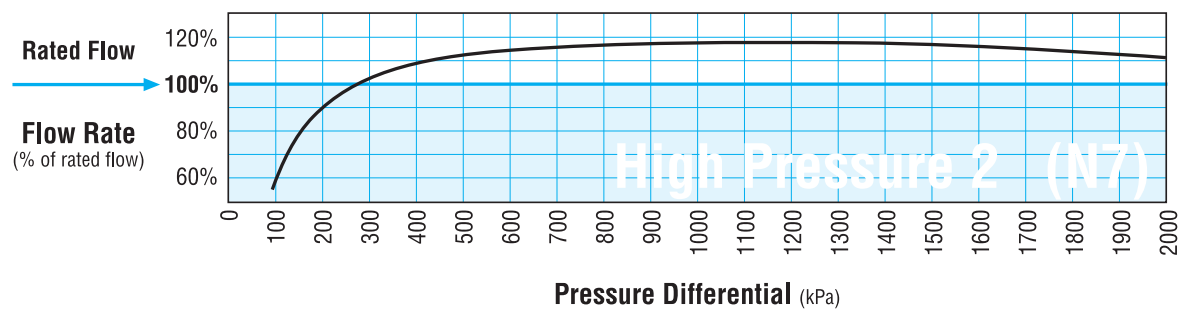
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – High Pressure 2 (N7)



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data EPDM Rubbers - (EP)

p. 5

General Applications and Environments

EPDM control rubbers handle higher temperatures and pressures than standard nitrile. They are also suitable in a caustic environment which makes them ideal for the alumina industry.

Available flow rates litres/minute

No.6 Series Rubbers

.2 / .3 / .4 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59

No.25 Series Rubbers

15 / 16 / 18 / 20 / 23 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125

No.40 Series Rubbers

125 / 138 / 150 / 162 / 180 / 199 / 216 / 233 / 256



Rubber Material	EPDM
Part Number Abbreviation	EP
Pressure Differential Range	140 – 1500 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	100°C
Body Compatibility	Brass, Gunmetal, PVC*, Stainless Steel

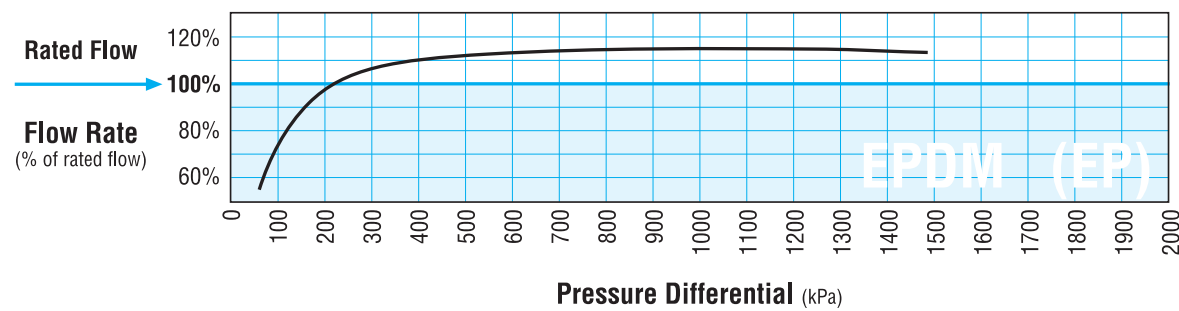
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – EPDM (EP)



*EPDM is compatible with PVC bodies only to 1000kPa and to 50 deg C Max.

Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.

V2: October 2015



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data

EPDM High Pressure 2 Rubbers - (E7)

p. 6

General Applications and Environments

EPDM High Pressure (2) control rubbers handle higher temperatures and pressures than standard nitrile and EPDM. They are also suitable in a caustic environment which makes them ideal for the alumina industry.

Available flow rates litres/minute

No.6 Series Rubbers

.4 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73

No.25 Series Rubbers

18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125 / 138 / 150

No.40 Series Rubbers

150 / 162 / 180 / 199 / 216 / 233 / 256



Rubber Material	EPDM
Part Number Abbreviation	E7
Pressure Differential Range	170 – 2000 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	170 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	100°C
Body Compatibility	Stainless Steel

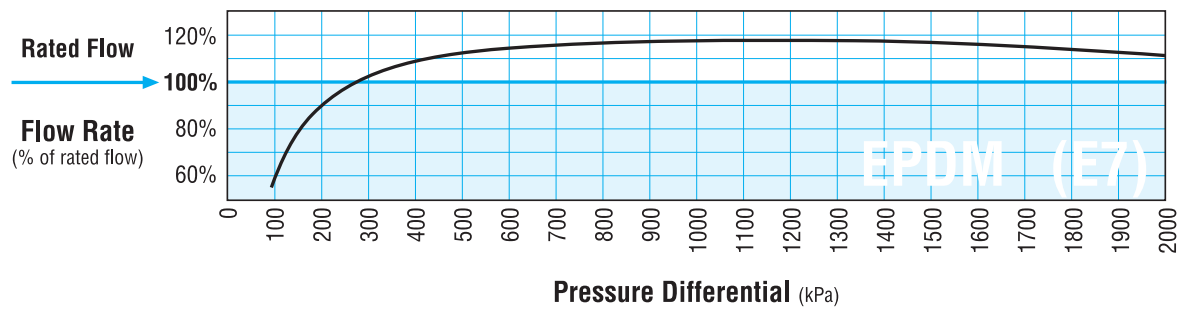
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – EPDM High Pressure (E7)



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data Viton Rubbers - (V)

p. 7

General Applications and Environments

Viton control rubbers are generally supplied where temperatures above 100 degrees Celsius, and below 200 degrees Celsius are encountered.

Viton is also the preferred material in chemical environments where both Nitrile or EPDM control rubbers are unsuitable.

Available flow rates litres/minute

No.6 Series Rubbers

.2 / .25 / .3 / .35 / .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

No.15 Series Rubbers

.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

No.20 Series Rubbers

9.0 / 10 / 11 / 12 / 13 / 15 / 16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59

No.25 Series Rubbers

16 / 18 / 20 / 23 / 25 / 28 / 32 / 36 / 41 / 45 / 49 / 54 / 59 / 66 / 73 / 82 / 91 / 102 / 114 / 125

No.40 Series Rubbers

125 / 138 / 150 / 162 / 180 / 199 / 216 / 233 / 256

Rubber Material	Viton
Part Number Abbreviation	V
Pressure Differential Range	140 – 1000 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	200°C
Body Compatibility	Brass, Gunmetal, PVC, Stainless Steel



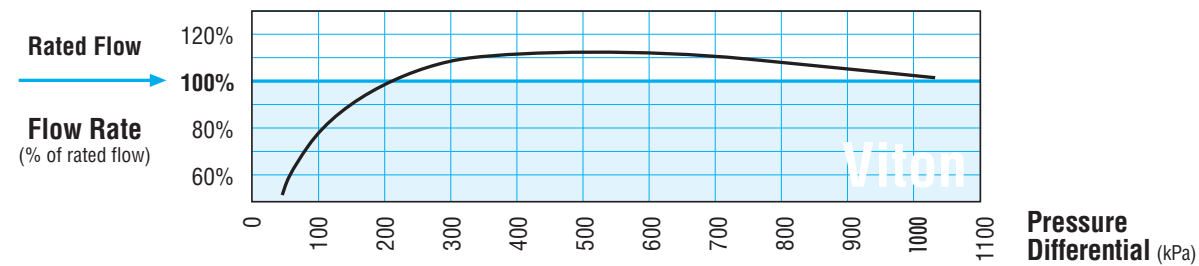
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Page 1 of 1
V715

Performance Graph; Typical Performance Curve – Viton (V)



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.



Maric Constant Flow Valves

Constant Flow Rate Regardless of Pressure



Est. 1963

Product Data Kwyflo Rubbers - (K)

p. 8

General Applications and Environments

Kwyflo control rubbers are designed for applications where noise must be minimised.

Originally designed for domestic water saving applications, the Kwyflo type valves are also suited to many industrial applications.

Available flow rates litres/minute

No.6 Series Rubbers

2.3 / 2.8 / 3.5 / 4.5

No.15 Series Rubbers

4.5 / 7.0 / 9.0 / 11

No.20 Series Rubbers

13 / 16 / 20 / 25

No.25 Series Rubbers

32 / 41 / 49 / 59

No.40 Series Rubbers

32 / 41 / 49 / 59

Rubber Material	Nitrile
Part Number Abbreviation	K
Pressure Differential Range	140 – 1000 kPa
Flow Rate Accuracy	+ / - 20%
Headloss	140 kPa at rated flow. (At lower than rated flows headloss reduces significantly.)
Maximum Temperature	60°C
Body Compatibility	Brass, Gunmetal, PVC



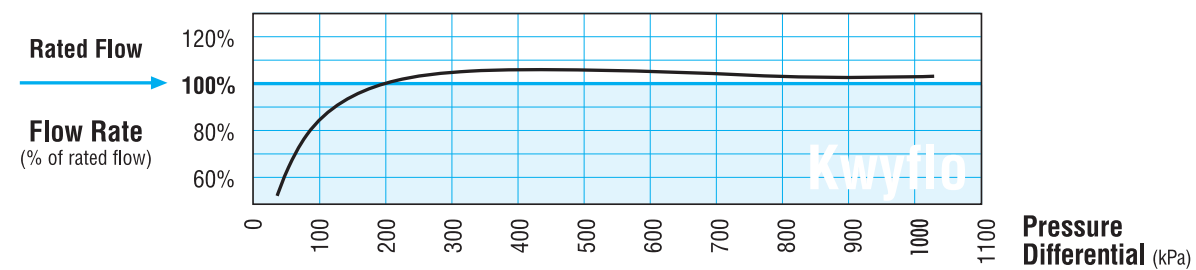
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Page 1 of 1
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Performance Graph; Typical Performance Curve – Kwyflo (K)



Note, A chart summarising all available control rubber types and their specifications appears in the Valve Selection Guide.