

Pressure Reducing Valve

Description

The RMC *Pressure Reducing Valve* is used in water systems to limit the downstream pressure to the pre-set maximum. It compensates for fluctuating upstream pressure to maintain constant maximum outlet pressure.

Features of the *Pressure Reducing Valve* make it most suitable for demanding commercial and industrial applications and multi-unit dwellings.

The RMC *Pressure Reducing Valve* can be used to reduce pressure upstream of commercial and industrial devices such as dosing apparatuses, high-pressure cleaners and laboratory equipment. The RMC *Pressure Reducing Valve* can deliver high flow rates with minimal head loss.

The RMC *Pressure Reducing Valve* is available in 15 mm, 20 mm, 25 mm, 32 mm, 40 mm, and 50 mm configurations with female BSP thread connections.

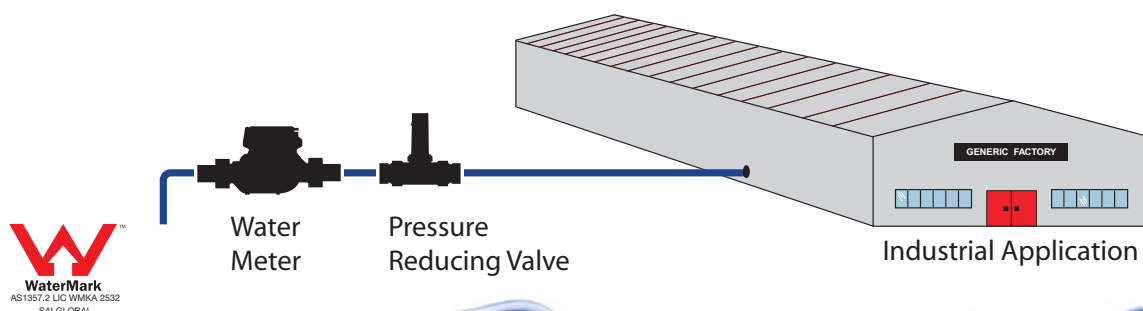


Features and Benefits

- ❖ Tool-free adjustment
 - » Simply lift and twist the setting knob to desired pressure
- ❖ Protects downstream installations from excess supply pressure
 - » Reduces maintenance and repair costs on expensive equipment
- ❖ Simple single piece cartridge based design
 - » Valve and strainer can be serviced without disassembly and without resetting pressure
- ❖ Cutting edge design incorporating patented Micro-Finger cartridge
 - » Dissipates noises due to water flow across the seat providing a quieter installation
- ❖ Integrated gauge port
 - » Provides convenient access point for testing and setting pressure
- ❖ Reduced water consumption
 - » Improved economy of service with ecological benefits
- ❖ Can be installed in any orientation
 - » Suitable for a wide range of installation arrangements

Application

The RMC *Pressure Reducing Valve* is for use in industrial and commercial installations. Fitting the valve at the mains supply protects downstream installations from variations in supply pressure. Use of a Pressure Reducing Valve can minimise water wastage.



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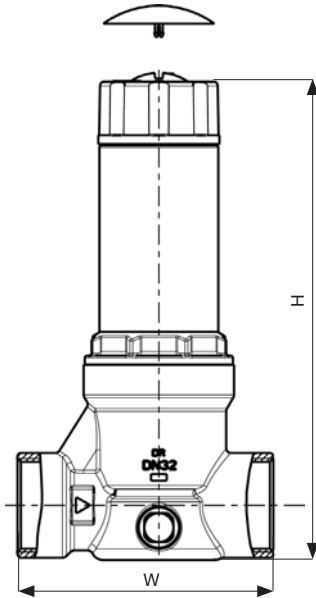
Specification

Maximum Inlet Pressure:	2000 kPa
Maximum Supply Temperature:	80° C
Adjustable Outlet Pressure Range:	155 – 550 kPa
Factory Set Pressure:	500 kPa
Fluid Media:	Water, compressed air, fuel oil, neutral non-adhesive fluids, neutral gases

Dimensions

Model	Width (W)	Height (H)	Outlet Size
Adjustable 155-550 kPa 15 mm	73	120	DN15
Adjustable 155-550 kPa 20 mm	75	120	DN20
Adjustable 155-550 kPa 25 mm	84	150	DN25
Adjustable 155-550 kPa 32 mm	114	216	DN32
Adjustable 155-550 kPa 40 mm	130	226	DN40
Adjustable 155-550 kPa 50 mm	140	226	DN50

NB: All dimensions in millimeters unless otherwise stated.



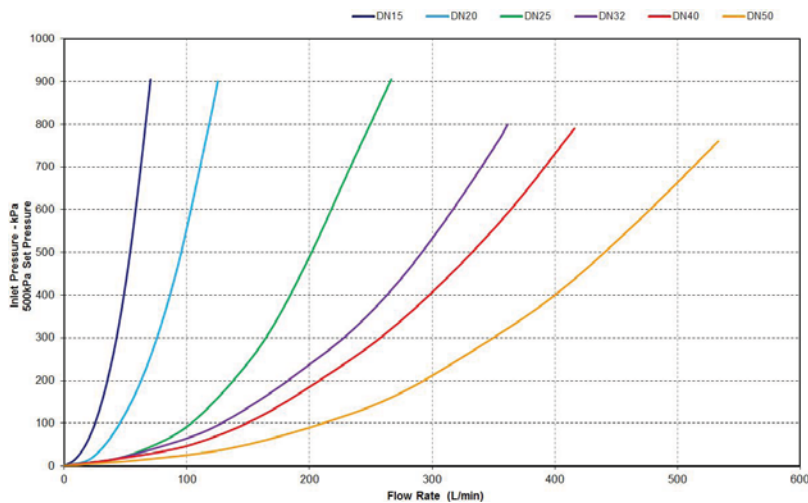
Materials

Body:	Forged Brass
Spring Chamber:	Nylon
Adjusting Spring:	Stainless Steel (zinc plated)
Pressure Plate:	Stainless Steel (zinc plated)
Diaphragm:	EPDM
Body Seat:	Polysulphone
Seat Disc:	EPDM
Piston:	Stainless Steel/Brass
Strainer Screen:	Stainless Steel

Catalogue Numbers

Model	Catalogue Number
Adjustable 155-550 kPa 15 mm Female BSP	PRV015
Adjustable 155-550 kPa 20 mm Female BSP	PRV020
Adjustable 155-550 kPa 25 mm Female BSP	PRV025
Adjustable 155-550 kPa 32 mm Female BSP	PRV032
Adjustable 155-550 kPa 40 mm Female BSP	PRV040
Adjustable 155-550 kPa 50 mm Female BSP	PRV050

Flow Characteristics



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