Valves and Plumbing

Pressure Reducing Valve

Scope of Use / Specification Sheet

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.

PRV015

Product Code

Size	Details	Product Code
15mm	Adjustable 155-550kPa	PRV015
20mm	Adjustable 155-550kPa	PRV020
25mm	Adjustable 155-550kPa	PRV025
32mm	Adjustable 155-550kPa	PRV032
40mm	Adjustable 155-550kPa	PRV040
50mm	Adjustable 155-550kPa	PRV050

Materials

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

Features and Benefits

- Tool-free adjustment
- Convenient twist-cap simplifies pressure adjustment
- Protects downstream installations from excess supply pressure
- Reduces maintenance and repair costs on expensive equipment
- Simple single sieve cartridge based design
- Valve and strainer can be serviced without disassembly and without resetting pressure
- Dissipates noises due to water flow across the seat providing a quieter installation
- Integrated ¼" gauge ports provide a convenient access point for testing and setting pressure
- Can be installed in any orientation
- Suitable for a wide range of installation arrangements

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Technical Specifications

Recommended Operating Pressure Range	500-1600kPa
Multiple Installation Operating Pressure Range	500-1000kPa*
Maximum Inlet Pressure	2000kPa
Maximum Supply Temperature	80˚C
Adjustable Outlet Pressure Range	155-550kPa
Factory Set Pressure	500kPa ± 10%
Fluid Media	Water

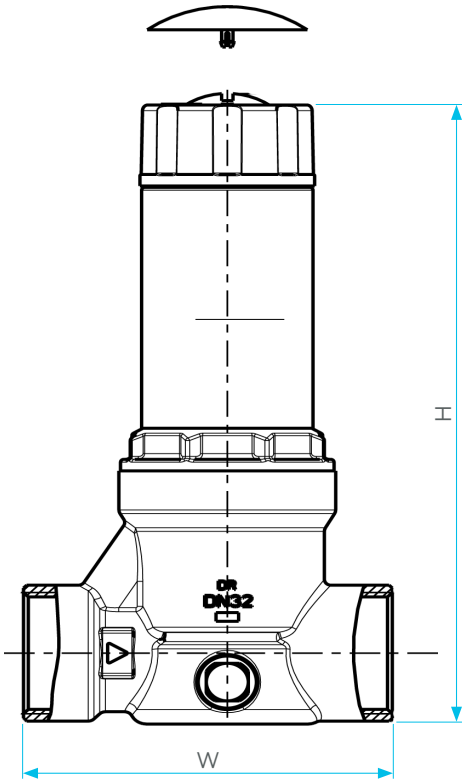
Dimensions

Size	Width (W)	Height (H)	Outlet Size
15mm	73	120	DN15
20mm	75	120	DN20
25mm	100	150	DN25
32mm	114	216	DN32
40mm	130	226	DN40
50mm	140	226	DN50

Note: All measurements in mm unless otherwise stated.

Notes

*Installation Suggestion: Multi storey buildings - where multiple pressure reducing valves will be used as part of a hydraulic circuit, consideration should be given to the design of the hydraulic circuit to avoid the operating condition where combined high inlet pressure/low outlet flow-rate results in high water velocity within the Pressure Reducing Valve. Where inlet pressures are likely to exceed 1000kPa, this may be achieved through staged pressure reduction measures.



Standards and Approvals

AS 1357.2
WMKA2532

Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.

Visit **www.rmc.com.au/warranty** to view the warranty statement in full and for further important information.

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