

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.



PRX2004

Product List

Order Code	Description	Size
PRX1504	Adjustable 155-550kPa	15mm
PRX2004	Adjustable 155-550kPa	20mm
PRX2504	Adjustable 155-550kPa	25mm
PRX3204	Adjustable 155-550kPa	32mm
PRX4004	Adjustable 155-550kPa	40mm
PRX5004	Adjustable 155-550kPa	50mm

Materials

Body	Forged Lead Free 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/Lead Free Brass
Strainer Screen	Stainless Steel

Features and Benefits

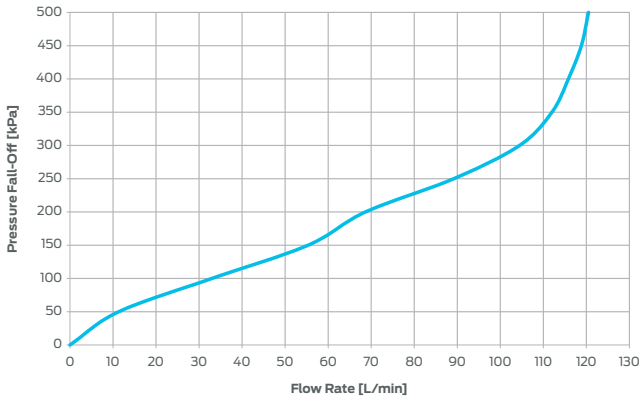
- Tool-free adjustment
- Convenient twist-cap simplifies pressure adjustment
- Protects downstream installations from excess supply pressure
- Reduces maintenance and repair costs on expensive equipment
- Simple single sieve cartridge based design
- Valve and strainer can be serviced without disassembly 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

Pressure Reducing Valve

Flow Charts

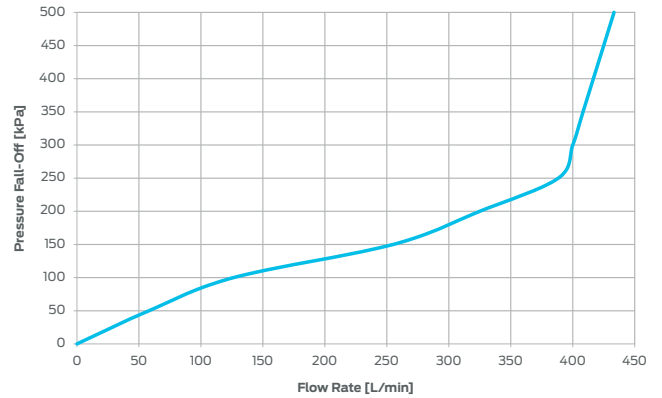
PRX1504

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



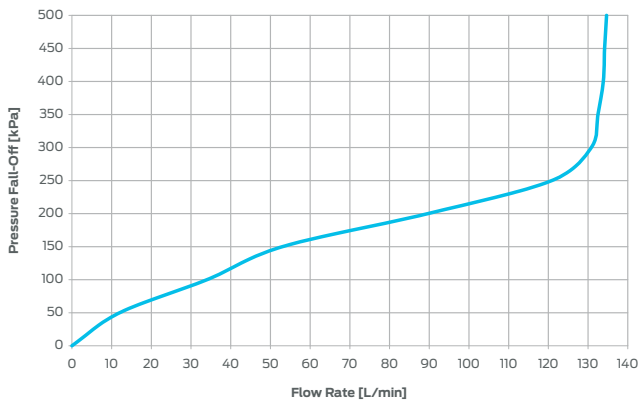
PRX3204

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



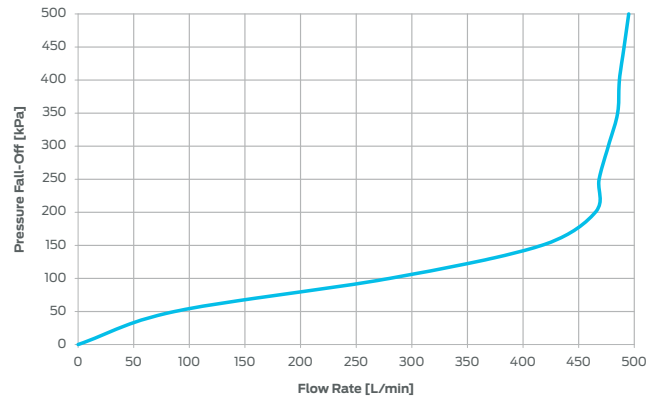
PRX2004

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



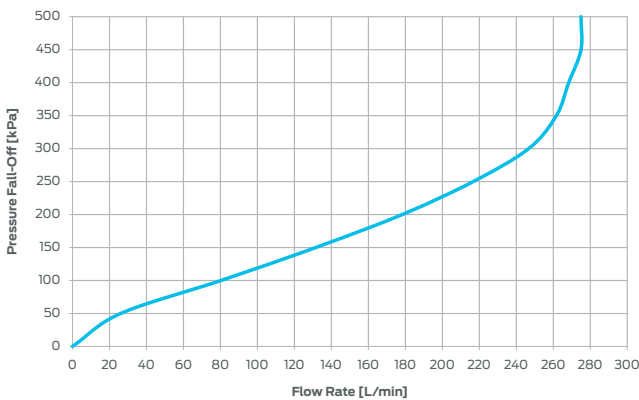
PRX4004

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



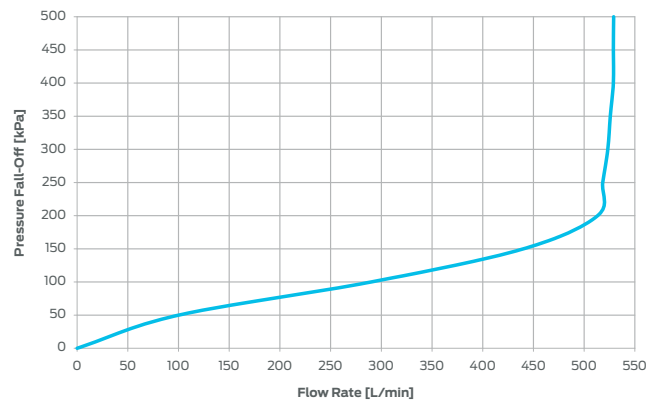
PRX2504

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



PRX5004

Inlet Pressure 1000kPa – Outlet Set Pressure 500kPa



Pressure Reducing Valve

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: Multistorey 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



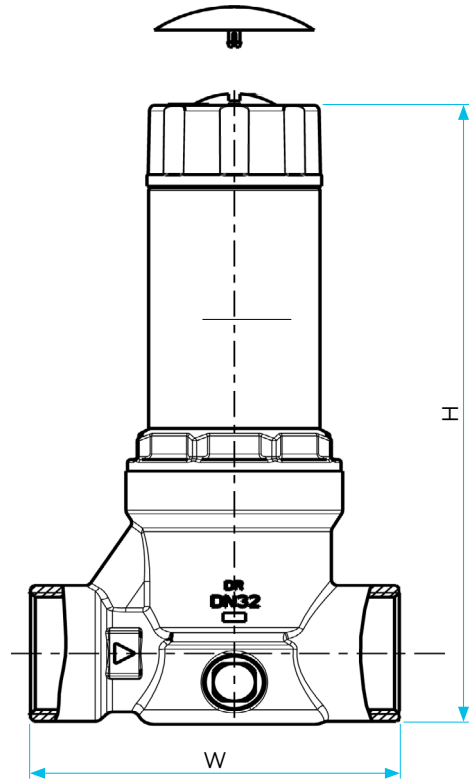
Installation

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. This product is compliant to the Lead Free requirements of the National Construction Code Volume Three. For further Scope of Use, please visit www.rmc.com.au/resources.

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.



www.rmc.com.au | 1800 810 803 | sales.au@rmc.com

Reliance Worldwide Corporation (Aust.) Pty. Ltd. reserves the right to change any product specification or information contained in this publication at any time and without notice. All diagrams are illustrative only. Please consult OEM instructions and AS/NZS 3500 for all installations. ABN 71 004 784 301 | EPK0045_2024_v2