

Compact Right Angled PRV

Scope of Use / Specification Sheet

The RMC PressureGuard® Compact Right Angle Pressure Reducing Valve is used in water systems to limit the downstream pressure to the preset maximum. This valve is not adjustable and is ideally suited for boundary installations.



PRV20R

Product Code

Model	Catalogue Number
Right Angle Compact PRV 20mm	PRV20R

Materials

Body	Forged brass
Spring chamber	Epoxy coated zinc alloy
Pressure plate	Steel (zinc plated)
Diaphragm	EPDM
Seat disc	EPDM
Piston	DZR brass
Strainer	Stainless steel
O-Ring	EPDM
Cartridge case	mPPE (polyphenylene ether)

Description

The RMC PressureGuard® Compact Right Angle Pressure Reducing Valve incorporates the latest technologies into the modular design. Easy serviceability and robust design makes the Right Angled PRV a premium valve on the market. It is available in a 20mm configuration.

Features and Benefits

- Fixed outlet pressure set
- High flow capacity with minimal head loss
- Suitable for entire residential installations
- Robust design and construction
- Protects downstream installations from excess supply pressure
- Reduces maintenance and repair costs on expensive equipment
- Compact cartridge based design
- Valve and strainer can be serviced
- No special tools required for maintenance
- Can be installed in any orientation

Application

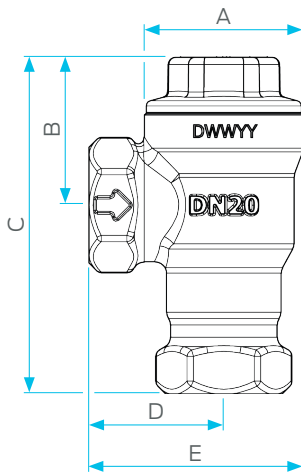
The RMC PressureGuard® Compact Right Angle Pressure Reducing Valve is suitable for use in residential installations. The valve maintains a constant maximum outlet pressure to protect downstream installations from variations in supply pressure. Installing a Pressure Reducing Valve can minimise water wastage.

Compact Right Angled PRV

Dimensions

Size	A	B	C	D	E
Right Angled PRV 20mm	43	40	92	36.5	58

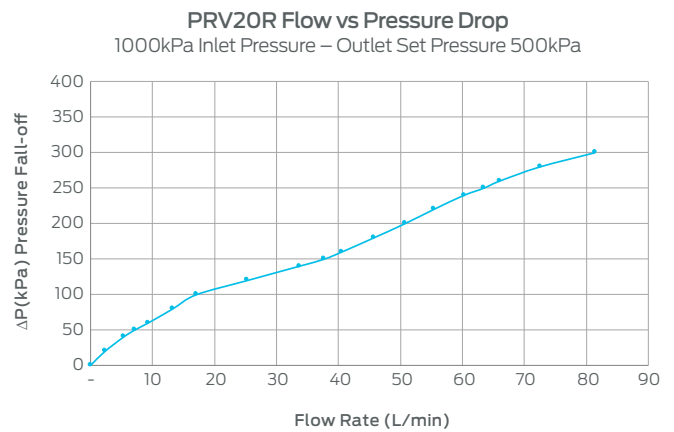
Note: All measurements in mm unless otherwise stated.



Technical Specifications

Recommended operating pressure range	500–1600kPa
Maximum inlet pressure	2000kPa
Maximum supply temperature	80°C
Factory set pressure	500kPa ± 10%
Fluid media	Water

Flow Characteristics



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
WMKA0938

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.

- If installing in-ground, valve must be protected by an approved box (should not be buried)
- Avoid the use of garden fertiliser around the installation

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.