

# 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 pre-set 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.

### 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.

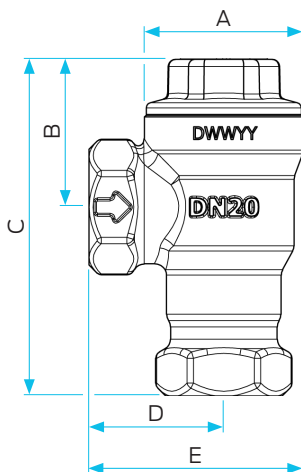


# Compact Right Angled PRV

## Dimensions

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

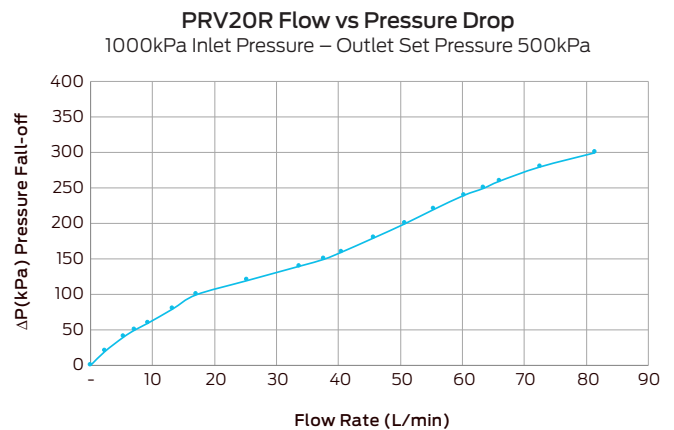
Note: All measurements in mm unless otherwise stated.



## 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.