

# PRESSUREGUARD® COMPACT RIGHT ANGLED PRV

RMC water valves

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 ideally suited for boundary installations.

## Catalogue Numbers

Model	Catalogue Number
Right Angle Compact PRV 20mm	PRV20R



## Description

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

## 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.

## 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)

## 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

## 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.



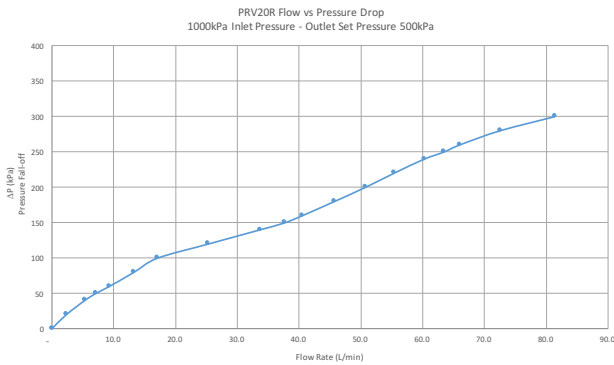
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## Technical Specifications

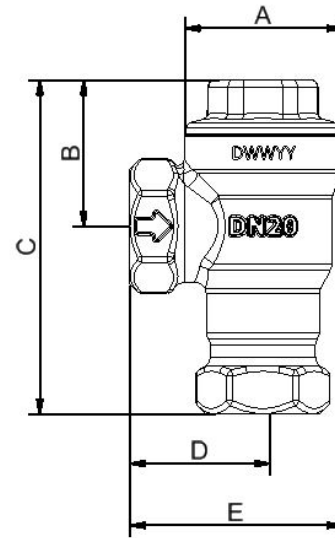
Recommended Operating Pressure Range	500-1600kPa
Maximum Inlet Pressure	2000kPa
Maximum Supply Temperature	80°C
Factory Set Pressure	500kPa ± 10%
Fluid Media	Water

## Flow Characteristics



## Dimensions

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



Note: All dimensions in millimetres unless otherwise specified.