

PRESSUREGUARD® COMPACT PRESSURE REDUCING VALVES



The RMC Pressureguard® Compact Pressure Reducing Valve is used in water systems to limit the downstream pressure to the pre-set maximum.

Catalogue Numbers

Size	Catalogue Number
15mm	PRV15
20mm	PRV20
25mm	PRV25



Description

The Pressureguard® incorporates the latest technologies into the modular designed compact PRV. With its low profile, the valve is suited for installations in areas with limited access.

Easy serviceability and robust design makes the Pressureguard® a premium valve on the market

The RMC Pressureguard® Compact Pressure Reducing Valve is available in 15mm, 20mm and 25mm configurations.

Features and Benefits

- Adjustable 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 without disassembly
- No special tools required for maintenance or adjustment
- Simple screw adjustment mechanism

Technical Specifications

Recommended Operating Pressure Range:	500-1600 kPa
Multiple Installation Operating Pressure Range:	500-1000 kPa*
Maximum Inlet Pressure:	2000 kPa
Maximum Supply Temperature:	80°C
Adjustable Outlet Pressure Range:	150 - 600 kPa
Factory Set Pressure:	500 kPa ±10%
Fluid Media:	Water

Application

The RMC Pressureguard® Compact 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.



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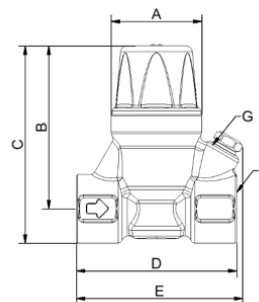
RMC

water valves

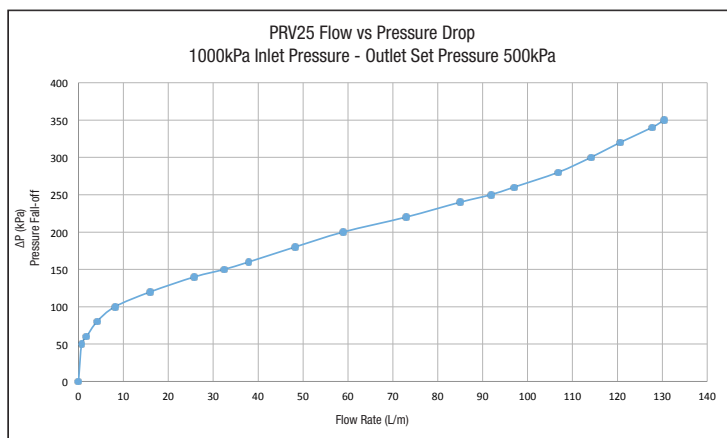
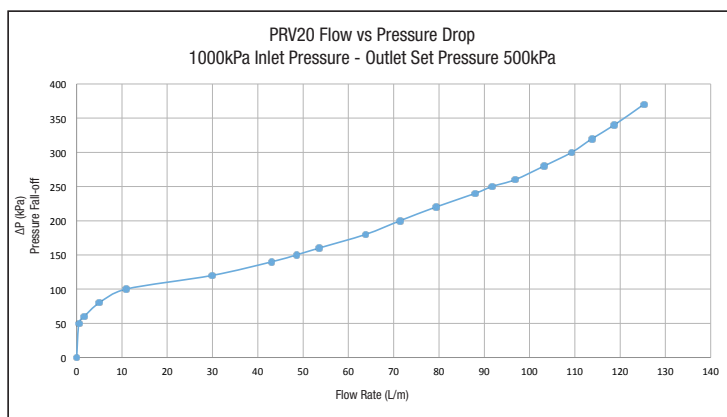
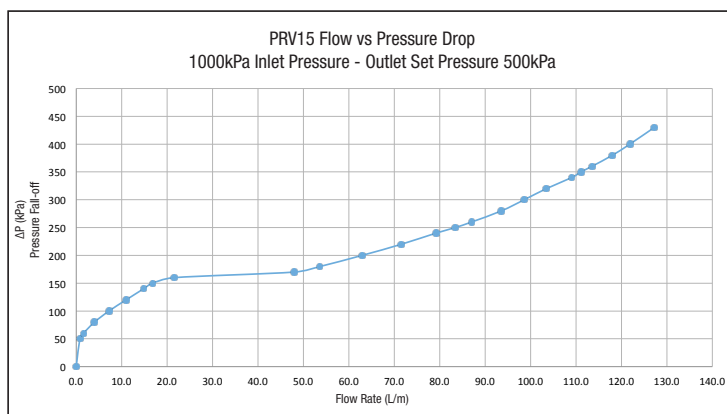
Dimensions

Model	A	B	C	D	E	F	G
PRV 15mm Female	43	80	94	76	80	RP½	G¼
PRV 20mm Female	43	77	93	76	79	RP¾	G¼
PRV 25mm Female	43	74	93	79	81	RP1	G¼

NB: All dimensions in millimeters unless otherwise stated.



Flow Characteristics



Flow Rates

DN15	18 L/min	150 kPa
	60 L/min	600 kPa
DN20	20 L/min	150 kPa
	118 L/min	600 kPa
DN25	35 L/min	150 kPa
	120 L/min	600 kPa

Materials

Body:	Forged Brass
Spring Chamber:	Epoxy Coated Zinc Alloy
Adjusting Screw:	Brass
Pressure Plate:	Steel (Zinc plated)
Diaphragm:	EPDM
Seat Disc:	EPDM
Piston:	DZR Brass
Strainer:	Stainless Steel
O-ring:	EPDM
Cartridge Case:	mPPE (Polyphenylene Ether)

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 1000 kPa, this may be achieved through staged pressure reduction measures.