

Pressure Reducing Valve

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



PRODUCT CODE

20mm straight configuration	RYEPRV20
20mm right-angled elbow configuration	RYEPRV20R

MATERIALS

Body	Forged brass
Spring chamber	Adjustable – Epoxy coated zinc alloy Fixed – Epoxy coated zinc alloy
Adjusting screw	Brass
Pressure plate	Steel (zinc plated)
Diaphragm	EPDM
Seat disc	EPDM
Piston	Brass
Strainer screen	Stainless steel
O-Ring	EPDM

APPLICATION

The Pressure Reducing Valve is for use in residential 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.

FEATURES AND BENEFITS

- Locked and adjustable configurations.
- Flexible option for custom installations or simple installation where a standard pressure is required.
- Suitable for entire residential installations.
- Robust design and construction.
- Able to withstand heavy flow conditions.
- Protects downstream installations from excess supply pressure.
- Reduces maintenance and repair costs on expensive equipment.
- Compact cartridge based design.
- Valve and strainer can be exchanged without disassembly and without special tools.

DESCRIPTION

The Pressure Reducing Valve is most suitable for reducing pressure at the boundary of a domestic installation and can deliver high flow rates with minimal head loss.

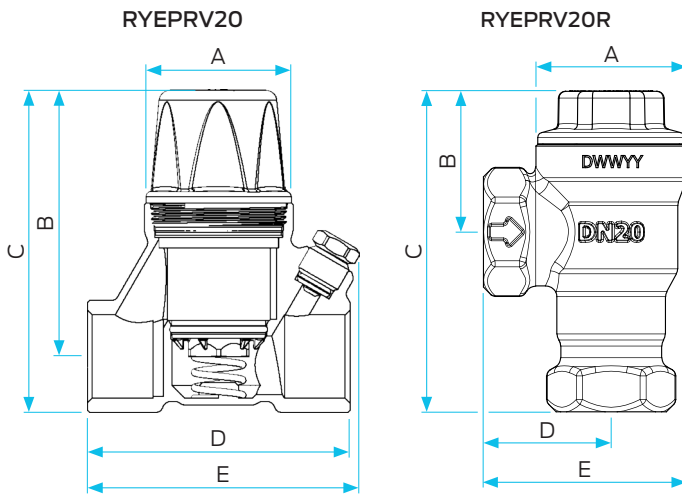
The valve is available in both adjustable pressure (150-600kPa) and pressure locked at 500kPa, with 20 mm female BSP thread connections in both straight and right-angled elbow configurations.

Pressure Reducing Valve

DIMENSIONS

Model	A	B	C	D	E
RYEPRV20	43	77	93	76	79
RYEPRV20R	43	40	92	36.5	58

Note: All measurements in mm unless otherwise stated.



STANDARDS AND APPROVALS

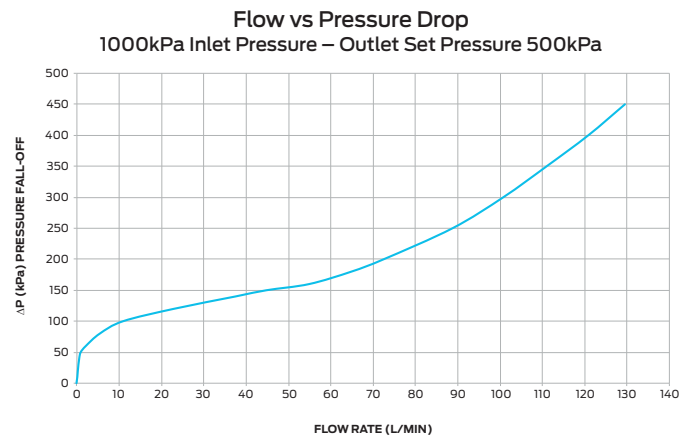


AS 1357.2
WMKA0938

TECHNICAL SPECIFICATION

Single installation 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	150–600kPa
Set outlet pressure	500kPa ± 10%
Fluid medium	Water

FLOW CHARACTERISTICS



NOTE

Multiple installation – where multiple pressure reducing valves are used as part of a hydraulic circuit, eg. multi-story apartment buildings.