

## EB35 Pressure Reducing Valve

### Description

The RMC EB35 Pressure Reducing Valve is used in water systems to limit the downstream pressure to the pre-set maximum. It compensates for fluctuating upstream pressure to maintain constant maximum outlet pressure.

Features of the EB35 Pressure Reducing Valve make it most suitable for reducing pressure within a higher pressure zone, or at point of use. This allows individual zonal pressure control, as opposed to limiting pressure at the mains supply which may result in poor flow in parts of the system. The slim-line design and compact cartridge make this valve the choice where space is limited.

The RMC EB35 Pressure Reducing Valve is available in both adjustable pressure (110 – 550 kPa) and pressure locked at 500 kPa, with 15 mm and 20 mm with female BSP thread connections.



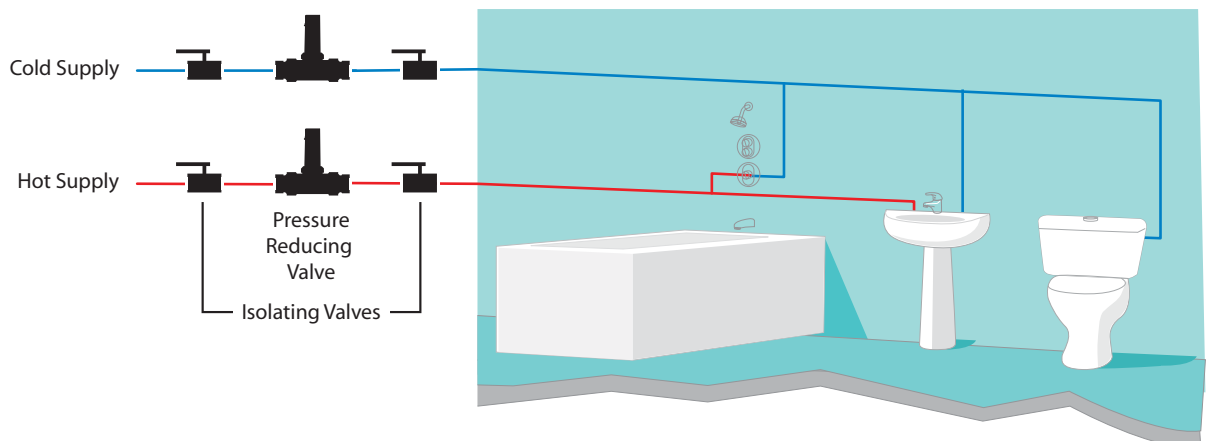
### Features and Benefits

- ❖ Simple twist-cap adjuster eliminates need for special tools
  - » Pressure adjustments are quick and easy
- ❖ Reduces pressure in a zone where high pressure and flow can be costly and/or dangerous
  - » Allows higher pressure to be used elsewhere in the distribution system in large installations
- ❖ Simple single piece cartridge based design
  - » Valve and strainer can be serviced without disassembly and without special tools
- ❖ Cutting edge design incorporating Micro-Finger cartridge
  - » Dissipates noises due to water flow across the seat providing a quieter installation
- ❖ Integrated gauge port
  - » Provides convenient access point for testing and setting pressure
- ❖ Reduced water consumption
  - » Improved economy of service with ecological benefits

### Application

The RMC EB35 Pressure Reducing Valve is for use in residential installations and individual outlets as part of a zonal pressure regulation system. 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.

### Recommended Outlet Installation for EB35 PRV



# EB35 Pressure Reducing Valve

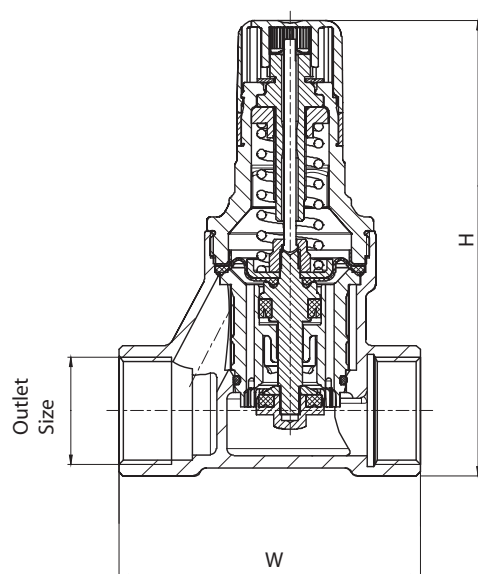
## Specification

Maximum inlet pressure:	1600 kPa
Maximum supply temperature:	80° C
Adjustable outlet pressure range	110 – 550 kPa (500 kPa in pressure locked configuration)
Fluid Media	Water, compressed air, fuel oil, neutral non-adhesive fluids, neutral gases

## Dimensions

Model	Width (W)	Height (H)	Outlet Size
EB35 Adjustable 110-550 kPa 15 mm Female BSP	72	111	DN15
EB35 Adjustable 110-550 kPa 20 mm Female BSP	74	112	DN20
EB35 Locked 500 kPa 15 mm Female BSP	72	111	DN15
EB35 Locked 500 kPa 20 mm Female BSP	74	112	DN20

NB: All dimensions in millimeters unless otherwise stated.



## Materials

Body	Cast gunmetal
Spring Chamber	Nylon
Adjusting Spring	Steel (zinc plated)
Pressure Plate	Steel (zinc plated)
Diaphragm	EPDM
Body Seat	Polysulphone
Seat Disc	EPDM
Piston	Stainless/brass
Strainer Screen	Stainless Steel

## Catalogue Numbers

Model	Catalogue Number
EB35 Adjustable 110-550 kPa 15 mm Female BSP	PRV3515
EB35 Adjustable 110-550 kPa 20 mm Female BSP	PRV3520
EB35 Locked 500 kPa 15 mm Female BSP	PRV3515L
EB35 Locked 500 kPa 20 mm Female BSP	PRV3520L