

EB25 Pressure Reducing Valve

Description

The RMC EB25 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 EB25 Pressure Reducing Valve make it most suitable for demanding commercial and industrial applications and multi-unit dwellings.

The RMC EB25 Pressure Reducing Valve can be used to reduce pressure upstream of commercial and industrial devices such as dosing apparatuses, high-pressure cleaners and laboratory equipment. The RMC EB25 Pressure Reducing Valve can deliver high flow rates with minimal head loss.

The RMC EB25 Pressure Reducing Valve is available in 15 mm, 20 mm, 25 mm, 32 mm, 40 mm, and 50 mm configurations with female BSP thread connections.

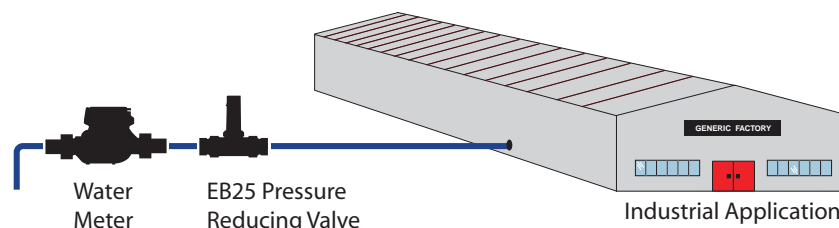


Features and Benefits

- ❖ Numerical pressure indicator display
 - » Eliminates the need for gauges during setting
- ❖ Tool-free adjustment
 - » Simply lift and twist the setting knob to desired pressure
- ❖ Protects downstream installations from excess supply pressure
 - » Reduces maintenance and repair costs on expensive equipment
- ❖ Simple single piece cartridge based design
 - » Valve and strainer can be serviced without disassembly and without resetting pressure
- ❖ Cutting edge design incorporating patented 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 EB25 Pressure Reducing Valve is for use in industrial and commercial 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.



EB25 Pressure Reducing Valve

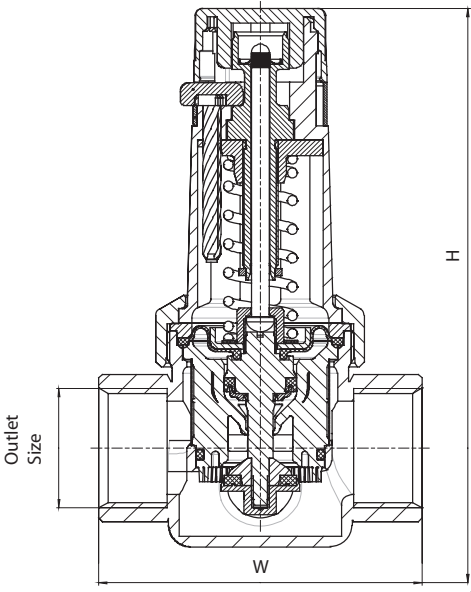
Specification

| | |
|----------------------------------|---|
| Maximum inlet pressure: | 2000 kPa |
| Maximum supply temperature: | 80° C |
| Adjustable outlet pressure range | 110 – 550 kPa |
| Fluid Media | Water, compressed air, fuel oil, neutral non-adhesive fluids, neutral gases |

Dimensions

| Model | Width (W) | Height (H) | Outlet Size |
|-----------------------------------|-----------|------------|-------------|
| EB25 Adjustable 110-550 kPa 15 mm | 85 | 150 | DN15 |
| EB25 Adjustable 110-550 kPa 20 mm | 85 | 150 | DN20 |
| EB25 Adjustable 110-550 kPa 25 mm | 100 | 150 | DN25 |
| EB25 Adjustable 110-550 kPa 32 mm | 120 | 226 | DN32 |
| EB25 Adjustable 110-550 kPa 40 mm | 145 | 226 | DN40 |
| EB25 Adjustable 110-550 kPa 50 mm | 160 | 226 | DN50 |

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 |
|--|------------------|
| EB25 Adjustable 110-550 kPa 15 mm Female BSP | PRV2515 |
| EB25 Adjustable 110-550 kPa 20 mm Female BSP | PRV2520 |
| EB25 Adjustable 110-550 kPa 25 mm Female BSP | PRV2525 |
| EB25 Adjustable 110-550 kPa 32 mm Female BSP | PRV2532 |
| EB25 Adjustable 110-550 kPa 40 mm Female BSP | PRV2540 |
| EB25 Adjustable 110-550 kPa 50 mm Female BSP | PRV2550 |