

## SYR 315 Pressure Reducing Valve

### Description

The SYR 315 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 SYR 315 Pressure Reducing Valve make it most suitable for demanding commercial and industrial applications and multi-unit dwellings.

The SYR 315 Pressure Reducing Valve is suited for use to reduce pressure upstream of apparatuses such as dosing apparatuses, high-pressure cleaners and laboratory equipment. The SYR 312 Pressure Reducing Valve can deliver high flow rates with minimal head loss.

The SYR 315 Pressure Reducing Valve is adjustable (150 kPa to 600 kPa) and available in 25 mm, 32 mm, 40 mm and 50 mm configurations.



### Features and Benefits

- ❖ Numerical pressure indicator display
  - » Eliminates the need for gauges during setting
- ❖ 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
- ❖ Protects downstream installations from excess supply pressure
  - » Reduces maintenance and repair costs on expensive equipment
- ❖ Flexible installation options
  - » Special cartridge design allows any mounting position

### Application

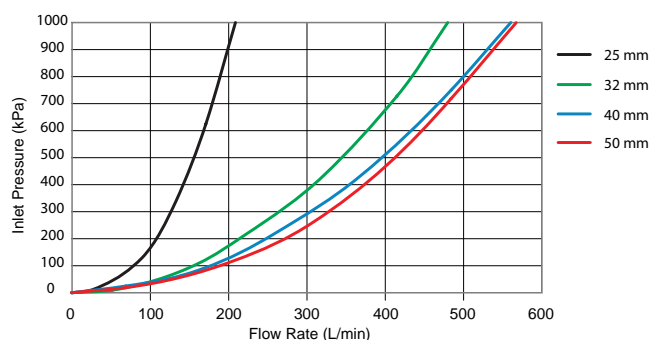
The SYR 315 Pressure Reducing Valve is a Pressure Reducing Valve for use in industrial and commercial installations. Fitting the valve at the mains supply protects downstream installations from variations in supply pressure. Use of a Pressure Reducing Valve can minimise water wastage.

# SYR 315 Pressure Reducing Valve

## Specification

Maximum Inlet Pressure	1600 kPa
Outlet Pressure	Adjustable from 150 kPa to 600 kPa Factory set to 400 kPa (Custom setting on request)
Operating Temperature	Maximum 60° C
Reduction Ratio	Maximum 10:1
Mounting Position	Any
Fluid Media	Water, compressed air, fuel oil, neutral non-adhesive fluids, neutral gases

## Flow Characteristics



## Materials

Body	Gunmetal alloy
Screw cap	Glass fibre reinforced synthetic
Rubber parts	Ageing resistant elastomer
Spring	Corrosion protected spring steel wire

## Dimensions

Nominal Size	Width (W)	Height 1 (H1)	Height 2 (H2)	Diameter (D)
DN 25	161	87	34	58
DN 32	190	105	61	75
DN 40	220	130	46	75
DN 50	255	140	40	75

NB: All dimensions in millimeters unless otherwise stated.

## Product Notes

- Syr 312 and 315 Pressure Reducing Valves bear the Watermark and meet the specifications of AS1357.2.

## Catalogue Numbers

Model	Catalogue Number
Syr 315 Adjustable 150 – 600 kPa PRV DN25	SYR31525
Syr 315 Adjustable 150 – 600 kPa PRV DN32	SYR31532
Syr 315 Adjustable 150 – 600 kPa PRV DN40	SYR31540
Syr 315 Adjustable 150 – 600 kPa PRV DN50	SYR31550

## Optional Accessories

The integrated gauge port on the *Syr 315 Pressure Reducing Valve* is compatible with the *RMC 1/4" BSP Rear Entry 1000 kPa Gauge* (Catalogue Number GAUGE6RE).