

Reduced Pressure Zone Device

Scope of Use / Specification Sheet

The RMC/Flomatic Reduced Pressure Zone Device is designed to give maximum protection to the potable water supply from contamination in high hazard applications such as cooling towers, abattoirs and sewage treatment plants.



SR003C



SR007C

Product Code

| Model | Device Only | Complete | Complete with Lockable Ball Valve |
|-------|-------------|----------|-----------------------------------|
| 15mm | SR001 | SR001C | SR001C-L |
| 20mm | SR002 | SR002C | SR002C-L |
| 25mm | SR003 | SR003C | SR003C-L |
| 32mm | SR004 | SR004C | SR004C-L |
| 40mm | SR005 | SR005C | SR005C-L |
| 50mm | SR006 | SR006C | SR006C-L |
| 65mm | SR007 | SR007C | - |
| 80mm | SR008 | SR008C | - |
| 100mm | SR009 | SR009C | - |
| 150mm | SR010 | SR010C | - |
| 200mm | SR011 | SR011C | - |

Features and Benefits

- Maximum protection against back siphonage and back pressure
- Internal by-pass passage (no external plumbing)
- Designed for easy and quick in-line maintenance and testing
- Low head loss
- Corrosion resistant
- Maximum working pressure of 1200kPa
- Operating temperature range of 1°C to 82°C up to 50mm BSP Threaded
- Operating temperature range of 1°C to 60°C from 65mm to 200mm Flanged Table E
- Approved to AS 2845-1

Description

The RMC / Flomatic Reduced Pressure Zone Device is an economical and durable device that is the easiest on the market to maintain in-line. It consists of two mechanically independent, spring loaded, center stem guided check valves. It also has a hydraulically dependent differential pressure relief valve with the sensing passage set in an integral cast and bronze body, with a single access cover. The assembly has three vertical test cocks and two shut off valves which are quarter-turn, full-port and resilient seated.

The relief valve has a removable stainless steel seat ring. The check valves are held in place by stainless steel clips and the check valve assemblies are non-interchangeable with silicone discs.

Materials

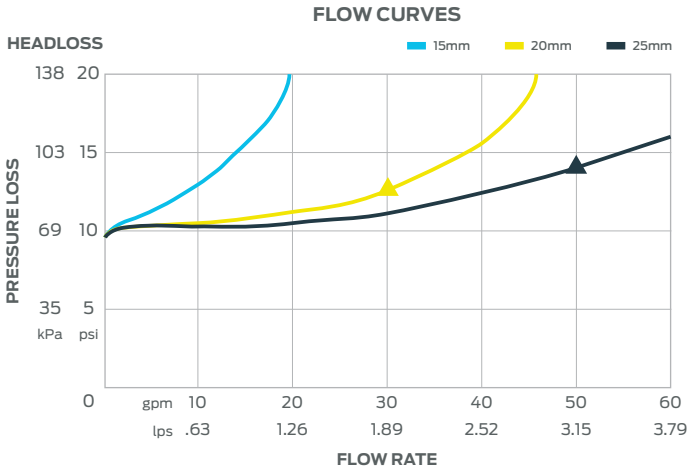
| | 15mm – 50mm | 65mm – 200mm |
|--------------|--------------------|---------------------------------|
| Valve Body | Bronze | Ductile Iron |
| Access Cover | Bronze | Ductile Iron |
| Polymers | Noryl™, NSF Listed | Noryl™, NSF Listed |
| Elastomers | Silicone | Silicone, Buna-n (FDA approved) |
| Springs | Stainless Steel | Stainless Steel |
| Coating | - | FDA approved fusion epoxy |



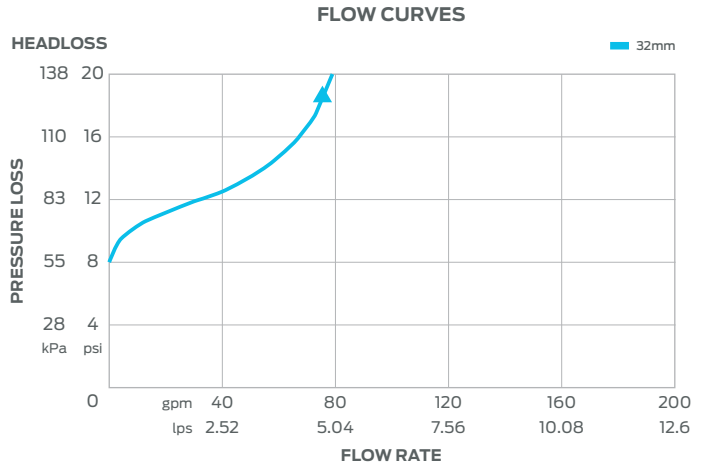
Reduced Pressure Zone Device

Flow Characteristics

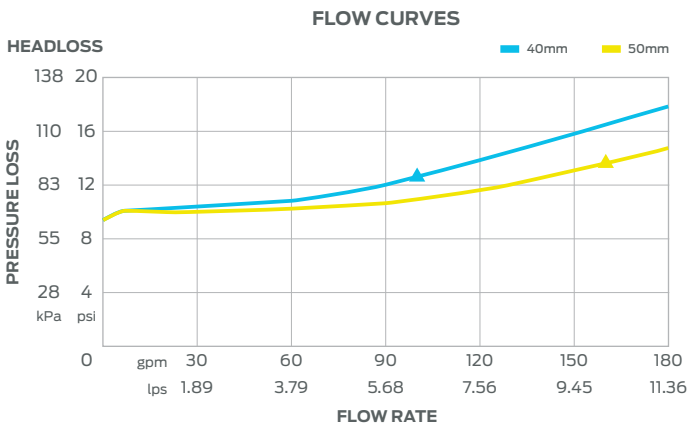
15mm – 25mm MODEL RPZD



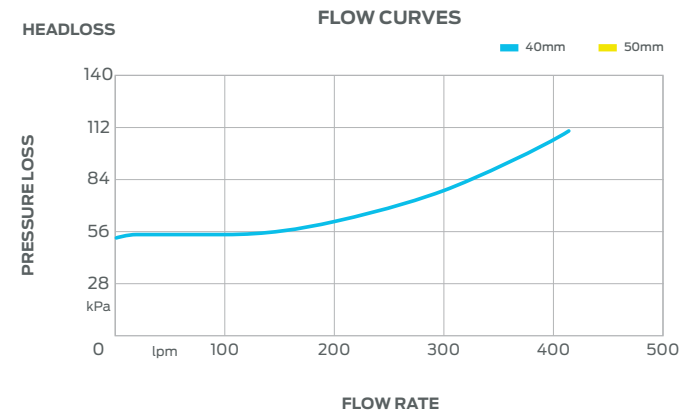
32mm MODEL RPZD



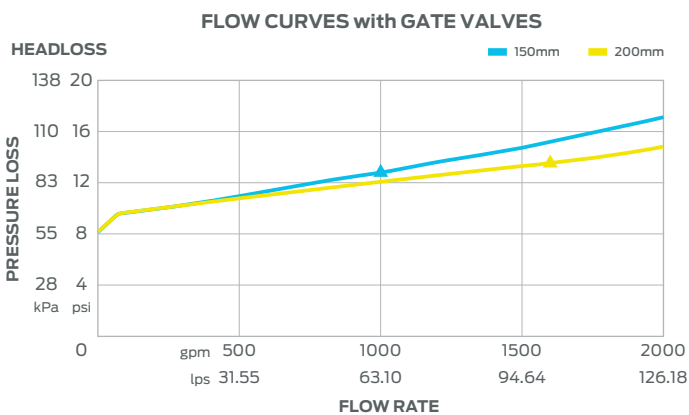
40mm – 50mm MODEL RPZD



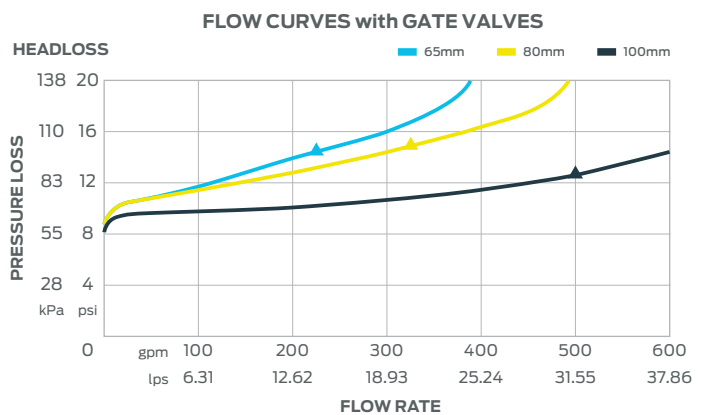
40mm MODEL RPZE-11



150mm – 200mm MODEL RPZD



65mm – 100mm MODEL RPZD

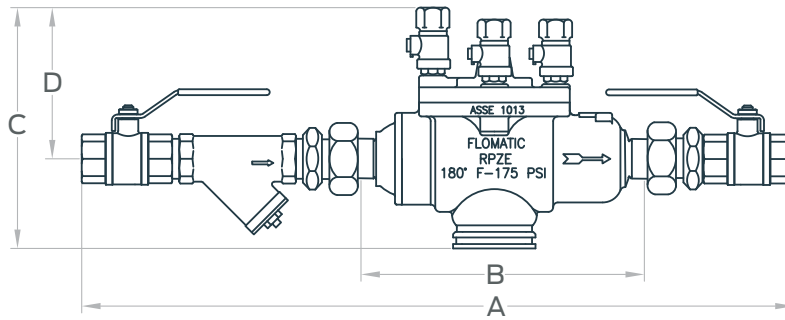


Reduced Pressure Zone Device

Dimensions

| Size | Part # | A | B | C | D | Width | Wgt with BV | Wgt less BV |
|------------|----------|-----|-----|-----|-----|-------|-------------|-------------|
| 15 | SR001C | 400 | 142 | 140 | 85 | 85 | 2.5 | 1.5 |
| 20 | SR002C | 430 | 142 | 140 | 85 | 85 | 3 | 1.4 |
| 25 | SR003C | 530 | 210 | 155 | 95 | 110 | 5.6 | 3.3 |
| 32 | SR004C | 620 | 225 | 180 | 95 | 120 | 7.8 | 4.3 |
| 40 | SR005C | 730 | 315 | 230 | 115 | 150 | 14.4 | 10.3 |
| 40 RPZE-II | SR005C-L | 690 | 267 | 202 | 114 | 130 | 10.5 | 5.8 |
| 50 | SR006C | 810 | 315 | 220 | 117 | 150 | 15.5 | 10 |

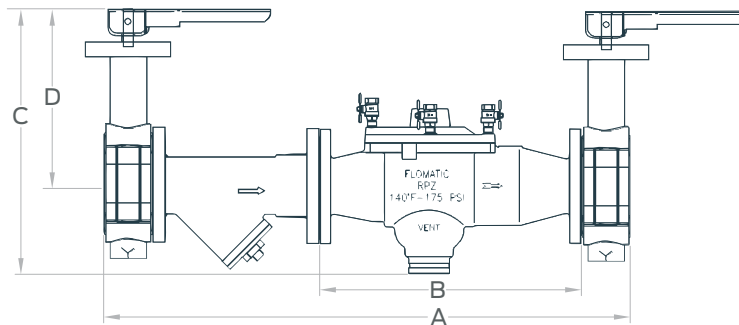
Note: All measurements in mm & kg unless otherwise stated.
Lockable assembly has same dimensions.



Dimensions

| Size | Part # | A | B | C | D | Width | Wgt with BV | Wgt less BV |
|------|--------|------|-----|-----|-----|-------|-------------|-------------|
| 65 | SR007C | 825 | 450 | 300 | 168 | 204 | 74.5 | 27 |
| 80 | SR008C | 850 | 450 | 300 | 170 | 210 | 54.6 | 27.5 |
| 100 | SR009C | 1000 | 535 | 460 | 190 | 270 | 142.5 | 54.5 |
| 150 | SR010C | 1220 | 630 | 480 | 221 | 330 | 156.5 | 84 |
| 200 | SR011C | 1430 | 765 | 535 | 283 | 390 | 276 | 136 |

Note: All measurements in mm & kg unless otherwise stated.



Reduced Pressure Zone Device

Performance Specifications

| | 15mm – 50mm | 65mm – 200mm |
|-----------------------------|--------------|------------------------|
| Maximum working pressure | 1200kPa | 1200kPa |
| Maximum working temperature | 82°C | 60°C |
| Hydrostatic test pressure | 2400kPa | 2400kPa |
| Pipe connection | BSP Threaded | Table E AS2129 Flanged |

Standards and Approvals



AS/NZS 2845.1
WMKA 25926

Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.

Visit www.rmc.com.au/warranty to view the warranty statement in full and for further important information.