



Model 375

Reduced Pressure Principle Assembly

Application

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375 provides protection where a potential health hazard exists. Ideal for use where lead-free* valves are required.

Standards Compliance

(Unless Otherwise Noted, Sizes 2 1/2" Thru 10")

- ASSE® Listed 1013
- IAPMO® Listed
- CSA® Certified B64.4 (2 1/2" thru 8")
- AWWA Compliant C511, and C550
- FM® Approved
- UL® Classified
- C-UL® Classified
- NYC MEA 49-01-M Vol 2
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.

- Meets the requirements of NSF/ANSI 61*

*(0.05% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

| | |
|-----------------|---------------------------------------|
| Main valve body | Ductile Iron ASTM A 536 |
| Access covers | Ductile Iron ASTM A 536 |
| Coatings | NSF Approved fusion epoxy finish |
| Internals | Stainless steel, 300 Series NORYL™ |
| Fasteners | Stainless Steel, 300 Series |
| Seal rings | EPDM (FDA approved) |
| O-rings | Buna Nitrile (FDA approved) |
| Springs | Stainless Steel, 300 Series |
| Sensing line | Stainless Steel, braided hose |

Features

Sizes: 2 1/2", 3", 4", 6", 8", 10"

Maximum working water pressure

Maximum working water temperature

Hydrostatic test pressure

End connections (Grooved for steel pipe)
(Flanged)

175 PSI

140°F

350 PSI

AWWA C606
ANSI B16.1
Class 125

Relief Valve discharge port:

2 1/2" - 6" - 2.75 sq. in.

8" - 10" - 3.69 sq. in.



LEAD FREE



Options

(Suffixes can be combined)

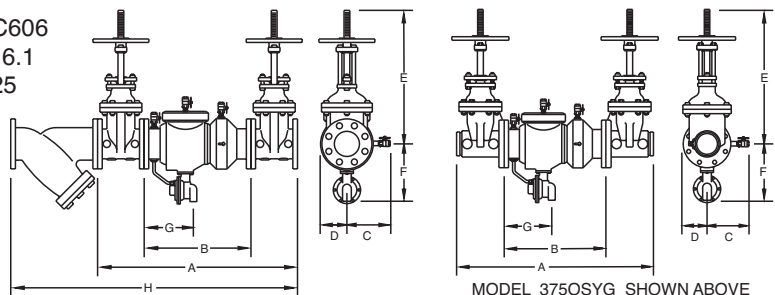
- ☐ - with NRS shut-off valves (standard)
- ☐ FSC - with epoxy coated wye type strainer (flanged only)
- ☐ G - with grooved end NRS gate valves
- ☐ GF - with grooved inlet connection and flanged outlet connection
- ☐ FG - with flanged inlet connection and grooved outlet connection
- ☐ L - less shut-off valves (flanged body connections)
- ☐ MS - with Integral Relief Valve Monitor Switch
- ☐ OSY - with OS&Y gate valves
- ☐ PI - with Post Indicator gate valve
- ☐ BG - with grooved end butterfly valves with integral supervisory switches
- ☐ -509 - with AWWA C509 gate valves

Accessories

- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- ☐ OS & Y Gate valve tamper switch (OSY-40)
- ☐ Air gap (Model AG)
- ☐ Electronic Solenoid Timer (Model EST)
- ☐ QT-SET Quick Test Fitting Set

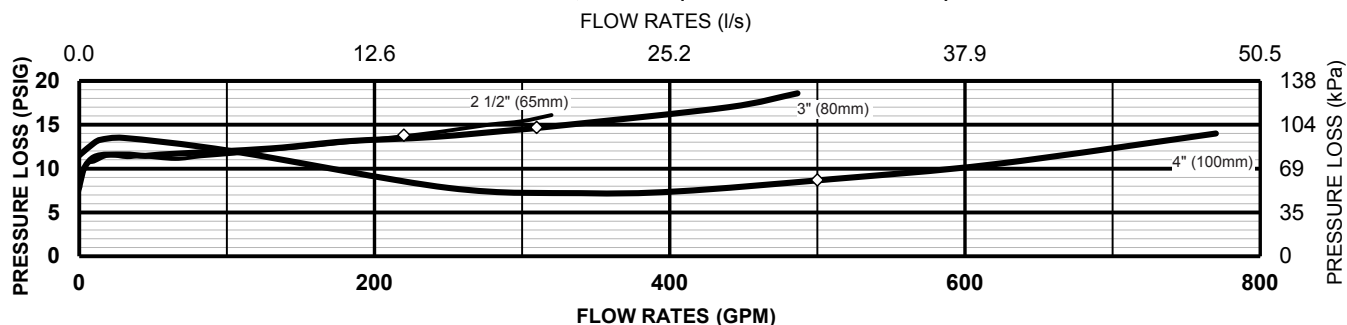
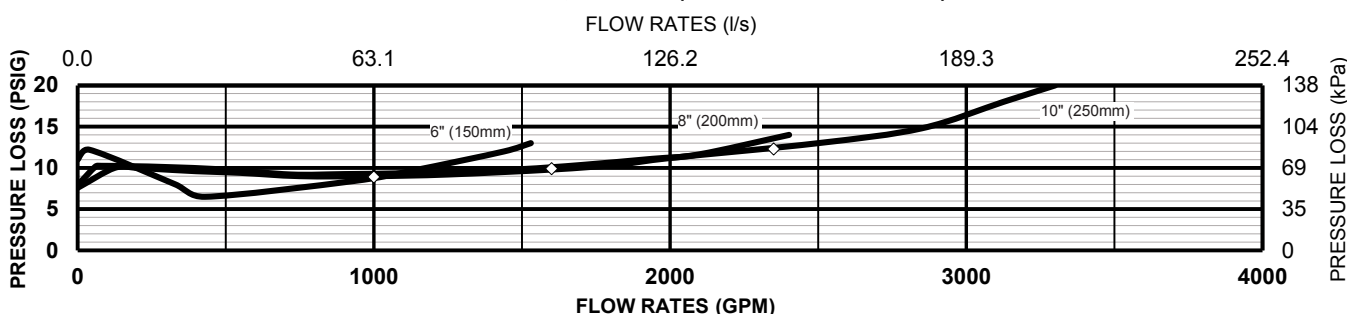
Attention:

Model 375 (flange body) and Model 375A (grooved body) have different lay lengths.



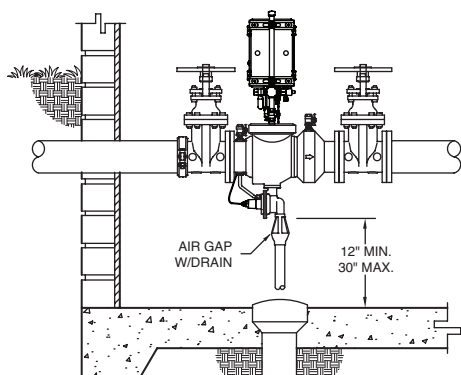
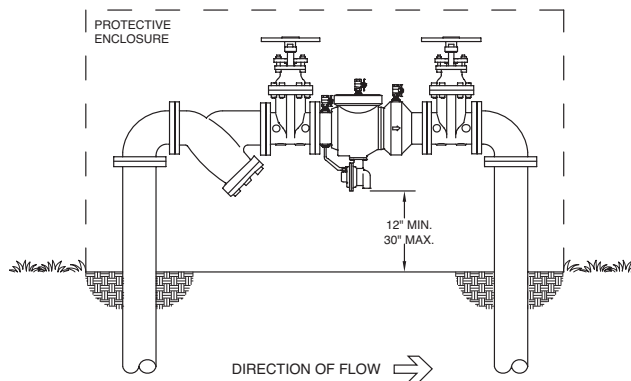
Dimensions & Weights (do not include pkg.)

| MODEL 375 SIZE | DIMENSION (approximate) | | | | | | | | | | | | | | | | | | | | | | | | WEIGHT | | | | | | | | | | | | |
|----------------------|-------------------------|--------|----------------------------------|--------|-----------------------------|--------|-----|-------|-----|-------|-------------------|--------|---------------------|--------|------------------|--------|----------------------------------|--------|-----|--------|-----|--------|-----|--------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------------|------|------|------|------|-----|-----|-----|
| | A | | A WITH BUTTERFLY VALVES | | B LESS GATE VALVES | | C | | D | | E OS&Y OPEN | | E OS&Y CLOSED | | E NRS GATE | | E WITH BUTTERFLY VALVES | | F | | G | | H | | LESS SHUT- OFF VALVES | NRS GATE VALVES FLANGED | NRS GATE VALVES GROOVED | OS&Y GATE VALVES FLANGED | OS&Y GATE VALVES GROOVED | BUTTERFLY VALVES GROOVED | | | | | | | |
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | lbs. | kg | | | |
| 2 1/2 | 65 | 31 | 787 | 28 | 711 | 15 7/8 | 403 | 7 1/4 | 184 | 3 3/4 | 95 | 17 3/4 | 451 | 15 3/8 | 391 | 11 1/2 | 292 | 8 1/4 | 210 | 9 1/2 | 241 | 8 3/8 | 213 | 41 1/4 | 1048 | 60 | 27 | 162 | 73 | 144 | 65 | 170 | 77 | 152 | 69 | 132 | 60 |
| 3 | 80 | 32 | 813 | 28 1/2 | 724 | 15 7/8 | 403 | 7 1/4 | 184 | 3 3/4 | 95 | 20 1/4 | 514 | 17 | 432 | 12 3/4 | 324 | 8 1/2 | 216 | 9 1/2 | 241 | 8 3/8 | 213 | 42 3/4 | 1086 | 60 | 27 | 184 | 83 | 154 | 70 | 190 | 86 | 142 | 64 | 112 | 51 |
| 4 | 100 | 37 5/8 | 956 | 32 8/9 | 835 | 19 1/2 | 495 | 8 | 203 | 4 1/2 | 114 | 22 1/2 | 572 | 18 1/4 | 464 | 14 1/2 | 368 | 9 | 229 | 11 | 279 | 9 1/4 | 235 | 52 3/4 | 1340 | 98 | 44 | 278 | 126 | 260 | 118 | 288 | 131 | 274 | 124 | 182 | 83 |
| 6 | 150 | 44 5/8 | 1133 | 37 5/8 | 956 | 23 1/2 | 597 | 10 | 254 | 6 | 152 | 30 1/2 | 775 | 24 1/4 | 616 | 18 | 457 | 10 1/4 | 260 | 12 3/8 | 314 | 10 3/4 | 273 | 62 3/4 | 1594 | 175 | 79 | 459 | 208 | 431 | 196 | 475 | 215 | 449 | 204 | 293 | 133 |
| 8 | 200 | 60 7/8 | 1546 | 53 7/8 | 1369 | 37 3/4 | 959 | 11 | 279 | 10 | 254 | 37 | 940 | 28 1/2 | 724 | 21 1/8 | 537 | 12 | 305 | 15 3/8 | 391 | 16 3/4 | 425 | 85 | 2159 | 377 | 171 | 829 | 376 | 795 | 361 | 853 | 387 | 805 | 365 | 551 | 250 |
| 10 | 250 | 63 7/8 | 1622 | 57 7/8 | 1470 | 37 3/4 | 959 | 11 | 279 | 10 | 254 | 45 5/8 | 1159 | 34 3/4 | 883 | 24 3/4 | 629 | 13 | 330 | 15 3/8 | 391 | 16 3/4 | 425 | 93 1/4 | 2369 | 407 | 185 | 1167 | 529 | 1101 | 499 | 1225 | 556 | 1159 | 526 | 795 | 361 |

MODEL 375 2 1/2", 3" & 4" (STANDARD & METRIC)**MODEL 375 6", 8" & 10" (STANDARD & METRIC)****Typical Installation**

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

| Capacity thru Schedule 40 Pipe (GPM) | | | | |
|--------------------------------------|----------|------------|-----------|-----------|
| Pipe size | 5 ft/sec | 7.5 ft/sec | 10 ft/sec | 15 ft/sec |
| 2 1/2" | 75 | 112 | 149 | 224 |
| 3" | 115 | 173 | 230 | 346 |
| 4" | 198 | 298 | 397 | 595 |
| 6" | 450 | 675 | 900 | 1351 |
| 8" | 780 | 1169 | 1559 | 2339 |
| 10" | 1229 | 1843 | 2458 | 3687 |
| 12" | 1763 | 2644 | 3525 | 5288 |

**INDOOR INSTALLATION (375GF)****OUTDOOR INSTALLATION****Specifications**

The Reduced Pressure Principle Backflow Prevention Assembly shall be certified to NSF/ANSI 61, ASSE® Listed 1013, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The checks and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Principle Backflow Prevention Assembly shall be a ZURN WILKINS Model 375.

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