

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/CAN 61*
- *(0.25% 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
Seal rings
Seal rings
O-rings
Springs
Stainless Steel, 300 Series
Springs
Stainless Steel, 300 Series
Stainless Steel, 300 Series
Stainless Steel, braided hose

Features

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

Maximum working water pressure 175 PSI

Maximum working water temperature 140°F

Hydrostatic test pressure 350 PSI

End connections (Grooved for steel pipe) AWWA C606

(Flanged) ANSI B16.42 Class 150

Attention:

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









Options (Suffixes can be combined)

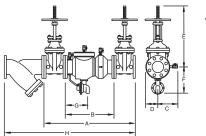
- with NRS shut-off valves (standard)
- ☐ FSC with epoxy coated wye type strainer (flanged
- ☐ G with grooved end NRS gate valves
- ☐ GF with grooved inlet connection and flanged outlet connection
- ☐ FG with flanged inlet connection and grooved outlet connection
- ☐ L less shut-off valves (flanged body connections)
- ☐ OSY with OS&Y gate valves☐ PI with Post Indicator gate valve
- ☐ BG with grooved end butterfly valves with integral supervisory switches
- *New Connected Products. Search ZCSM-PF on Zurn.com for details.

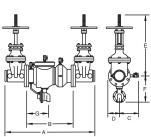
Accessories

- ☐ Connected Pressure Monitor (Model ZCSM-PF)*
- □ Connected Flow Meter Option (Model ZCSM-BTM must
- be ordered with Model ZCSM-PF)*
- □ OS & Y Gate valve tamper switch (OSY-40
- ☐ Air gap (Model AG)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- ☐ Wireless Monitor Retrofit Kit for conversion of existing model 375 (212-6-RFK-375W1, 8-10-RFK-375W1)

Relief Valve discharge port: 2 1/2" - 6" - 2.75 sq. in.

8" - 10" - 3.69 sq. in.





MODEL 375OSYG SHOWN ABOVE

Dimensions & Weights (do not include pkg.)

| | | | DIMENSION (approximate) | | | | | | | | | | | | | | | WEIGHT | | | | | | | | | | | | | | | | | | | | |
|-----|----------------------|--------|-------------------------|--------|----------------------------------|--------|-----------------------------|-------|-----|-------|-----|--------|-------------------|--------|-----|--------|------------------|--------|----------------------------------|--------|-----|--------|-----|--------|------|------|--------------------------------|------|----------------------------------|------|----------------------------------|------|-----------------------------------|------|-----------------------------------|------|--------------------------------|--|
| | MODEL 375 SIZE | | А | | A WITH BUTTERFLY VALVES | | B LESS GATE VALVES | | С | | D | | E OS&Y OPEN | | | | E NRS GATE | | E WITH BUTTERFLY VALVES | | F | | G | | н | | 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 | in. | mm | lbs. | kg | 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 | |

Zurn Industries, LLC | Wilkins

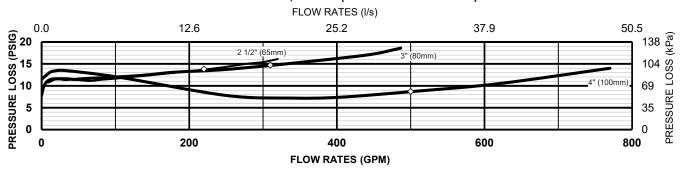
1747 Commerce Way, Paso Robles, CA U.S.A. 93446 Ph. 855-663-9876, Fax 805-238-5766

In Canada | Zurn Industries Limited

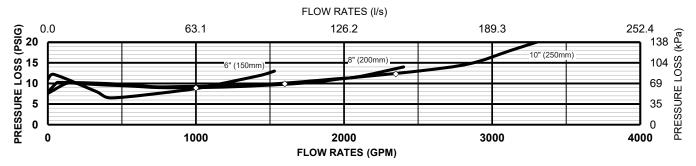
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Rev. M Date: 9/21 Document No. BF-375 Patent No. 5, 913, 331 Product No. Model 375

MODEL 375 2 1/2", 3" & 4" (STANDARD & METRIC)



MODEL 375 6", 8" & 10" (STANDARD & METRIC)



Typical Installation

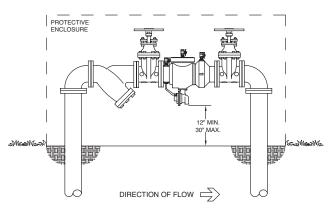
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the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

| ZCSM-PF CONNECTED PRESSURE MONITOR |
|---------------------------------------|
| ZCSM-BTM CONNECTED FLOW METER 30° MIN |
| DIRECTION OF FLOW \Longrightarrow |

INDOOR INSTALLATION

(375OSY with ZCSM-PF Connected Pressure Monitor and ZCSM-BTM Connected Flow Meter accessories)

| 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 | | | | | | | | | |



OUTDOOR INSTALLATION

Specifications

The Reduced Pressure Principle Backflow Prevention Assembly shall be certified to NSF/ANSI/CAN 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.