

SPECIFICATION SUBMITTAL SHEET



FEATURES

Sizes: 2 1/2" 3" 4" 6" 8" 10" 12"
 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 B16.1 Class 125

OPTIONS

- (Suffixes can be combined)
- with NRS shut-off valves (standard)
 - FS - with cast iron wye type strainer (flanged only 2-1/2"-10")
 - FSC - with epoxy coated wye type strainer (flanged only 2-1/2"-10")
 - G - with groove end gate valves (2-1/2" - 10")
 - GF - with grooved inlet gate connection and flanged outlet gate connection (2-1/2" - 10")
 - FG - with flanged inlet gate connection and grooved outlet gate connection (2-1/2" - 10")
 - L - less shut-off valves (flanged body connections)
 - OSY - with OS & Y gate valves
 - PI - Post Indicator gate Valve (3"-12")
 - DOM - with Clow gate valves, 51% Buy American Act Compliant

ACCESSORIES

- Repair kit (rubber only)
- Thermal expansion tank (Model XT)
- OS & Y Gate valve tamper switch (OSY-40)
- Test Cock Lock (Model TCL24)

APPLICATION

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. The Model 350 shall provide protection where a potential health hazard does not exist. Ideal for use where lead-free* valves are required.

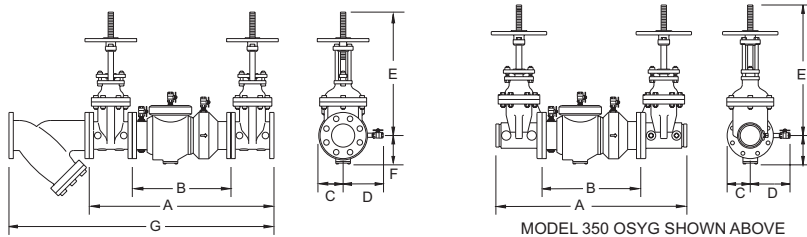
STANDARDS COMPLIANCE : (Sizes 2 1/2"-10" Horiz. & Vert.) (Size 12" horizontal)

- ASSE® Listed 1015
- CSA® Certified
- IAPMO® Listed
- IAPMO® Listed - California Lead Plumbing Law*
- AWWA Compliant C510, and C550
- UL® Classified
- C-UL® Classified
- FM® Approved (2 1/2" - 10")
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- NYC MEA 50-01-M (2 1/2" - 3")
- NYC MEA 297-98-M (4" - 6")
- NYC MEA 316-01-M (8" - 10")
- NSF® Listed-Standard 61, Annex G*

* (0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

MATERIALS

| | |
|-----------------|---|
| Main valve body | Ductile Iron ASTM A 536 Grade 4 |
| Access covers | Ductile Iron ASTM A 536 Grade 4 |
| Coatings | FDA Approved fusion epoxy finish |
| Internals | Stainless steel, 300 Series NORYL™, NSF Listed |
| Fasteners | Stainless Steel, 300 Series |
| Seal ring | EPDM (FDA approved) |
| O-ring | Buna Nitrile (FDA approved) |
| Springs | Stainless Steel, 300 Series |



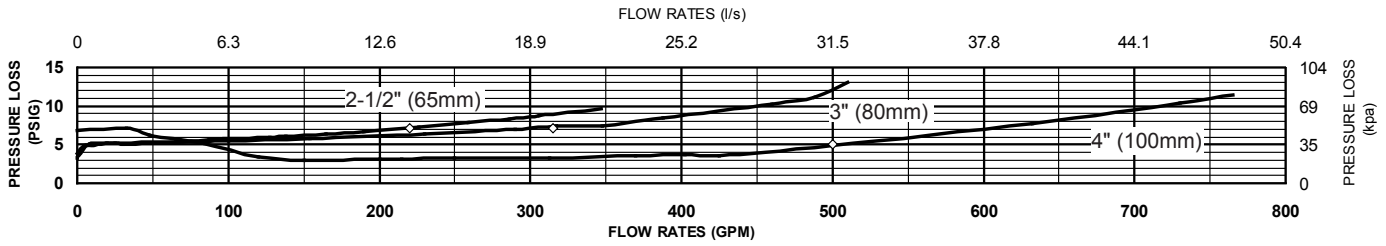
Attention: Model 350 (flange body) and 350A (grooved body) have different lay lengths.

DIMENSIONS & WEIGHTS (do not include pkg.)

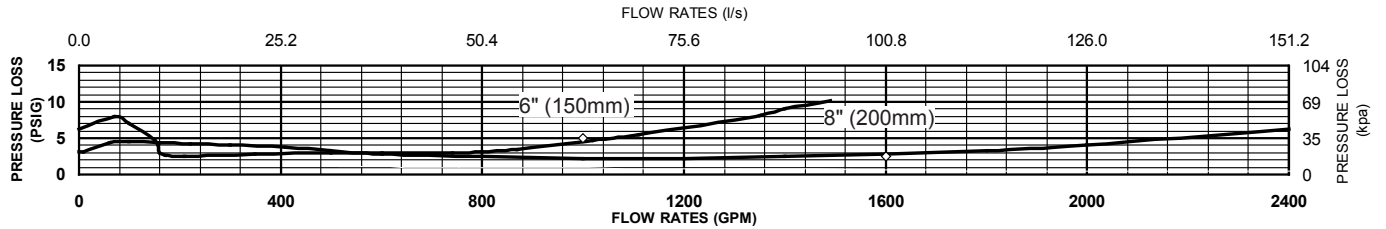
| SIZE | DIMENSION (approximate) | | | | | | | | | | | | | | | | | | WEIGHT | | | | | | |
|-------|-------------------------|--------|--------------------|--------|-----|-------|-----|-------|-------------|--------|---------------|--------|------------|--------|-----|-------|-----|--------|----------------------|-----|----------------------|------|-----------------------|------|-------|
| | A | | B LESS GATE VALVES | | C | | D | | E OS&Y OPEN | | E OS&Y CLOSED | | E NRS GATE | | F | | G | | WITHOUT GATES VALVES | | WITH NRS GATE VALVES | | WITH OS&Y GATE VALVES | | |
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kg | lbs. | kg | lbs. | kg | |
| 2 1/2 | 65 | 31 | 791 | 15 7/8 | 403 | 3 3/4 | 95 | 7 1/4 | 184 | 16 3/8 | 416 | 13 7/8 | 352 | 11 3/8 | 289 | 3 1/2 | 89 | 41 1/4 | 1048 | 53 | 24.1 | 155 | 70.4 | 163 | 74 |
| 3 | 80 | 32 | 816 | 15 7/8 | 403 | 3 3/4 | 95 | 7 1/4 | 184 | 18 7/8 | 479 | 15 5/8 | 397 | 12 3/8 | 314 | 3 1/2 | 89 | 42 3/4 | 1086 | 53 | 24.1 | 177 | 80.4 | 183 | 83 |
| 4 | 100 | 37 5/8 | 956 | 19 1/2 | 495 | 4 1/2 | 114 | 8 | 203 | 22 3/4 | 578 | 18 1/4 | 464 | 14 3/4 | 375 | 6 | 152 | 52 3/4 | 1340 | 91 | 41.3 | 271 | 123 | 281 | 127.6 |
| 6 | 150 | 44 3/4 | 1137 | 23 1/2 | 597 | 6 | 152 | 10 | 254 | 30 1/8 | 765 | 23 3/4 | 603 | 19 | 483 | 7 | 178 | 62 3/4 | 1594 | 165 | 74.9 | 449 | 203.8 | 465 | 211 |
| 8 | 200 | 60 3/4 | 1543 | 37 3/4 | 959 | 10 | 254 | 11 | 279 | 37 3/4 | 959 | 29 1/4 | 743 | 22 1/2 | 572 | 8 1/2 | 216 | 85 | 2159 | 358 | 162.5 | 810 | 367.7 | 834 | 378.6 |
| 10 | 250 | 63 3/4 | 1619 | 37 3/4 | 959 | 10 | 254 | 11 | 279 | 45 3/4 | 1162 | 35 3/8 | 899 | 26 1/2 | 673 | 8 1/2 | 216 | 93 1/4 | 2369 | 388 | 176.2 | 1148 | 521.2 | 1206 | 547.5 |
| 12 | 300 | 66 1/4 | 1683 | 38 | 965 | 10 | 254 | 12 | 305 | 53 1/8 | 1349 | 40 5/8 | 1032 | 30 | 762 | 9 | 229 | n/a | n/a | 447 | 202.8 | 1493 | 677.2 | 1607 | 729 |

FLOW CHARACTERISTICS

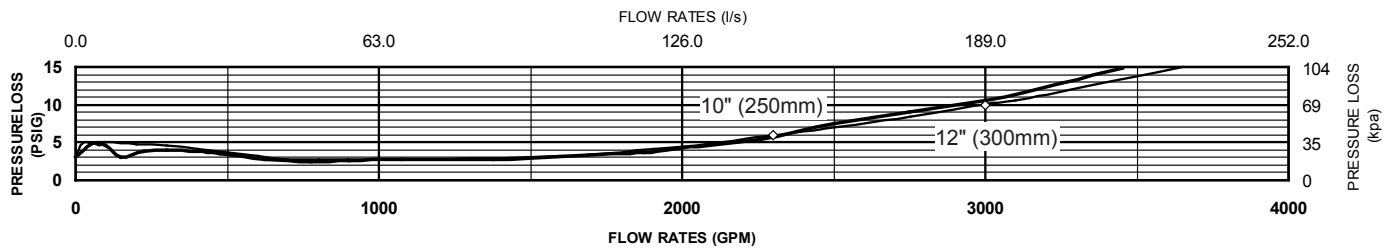
MODEL 350 2 1/2", 3" & 4" (STANDARD & METRIC)



MODEL 350 6" & 8" (STANDARD & METRIC)



MODEL 350 10" & 12" (STANDARD & METRIC)

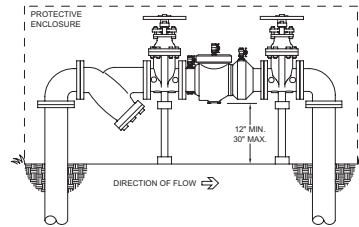


◇ Rated Flow (Established by approval agencies)

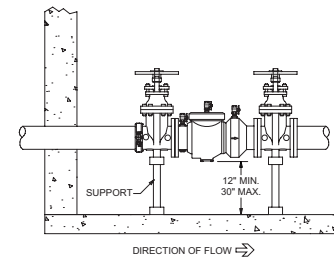
TYPICAL INSTALLATION

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.

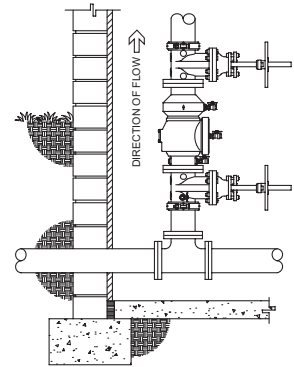
| Capacity thru Schedule 40 Pipe (GPM) | | | | |
|--------------------------------------|----------|------------|-----------|-----------|
| Pipe size | 5 ft/sec | 7.5 ft/sec | 10 ft/sec | 15 ft/sec |
| 2 1/2" | 75 | 112 | 149 | 224 |
| 3" | 115 | 173 | 230 | 346 |
| 4" | 198 | 298 | 397 | 595 |
| 6"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



OUTDOOR INSTALLATION



**INDOOR INSTALLATION
(350GF)**



**VERTICAL INSTALLATION
(350G)**

SPECIFICATIONS

The Double Check Backflow Prevention Assembly shall be ASSE® Listed 1015, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536 Grade 4), 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 shall be accessible for maintenance without removing the device from the line. The Double Check Backflow Prevention Assembly shall be a WILKINS Model 350.