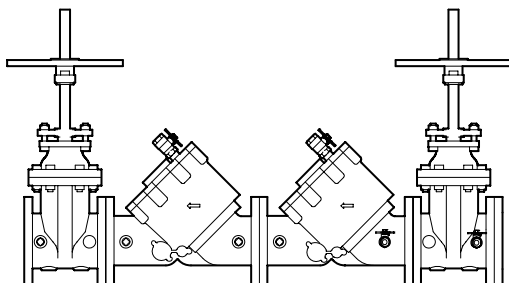


Model 950

Double Check Valve Assembly



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 Flanged ANSI B16.1
 Class 125

OPTIONS

(Suffixes can be combined)

- ☐ - with NRS gates valves (standard)
- ☐ G - with grooved by flanged NRS gate valves
- ☐ L - less shut-off valves
- ☐ OSY - with OS & Y gate valves
- ☐ OSYG - with grooved by flanged OS & Y gate valves
- ☐ FS - with cast iron "Y" type flanged strainer
- ☐ FSC - with cast iron "Y" type flanged strainer fusion epoxy coated

ACCESSORIES

- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)

APPLICATION

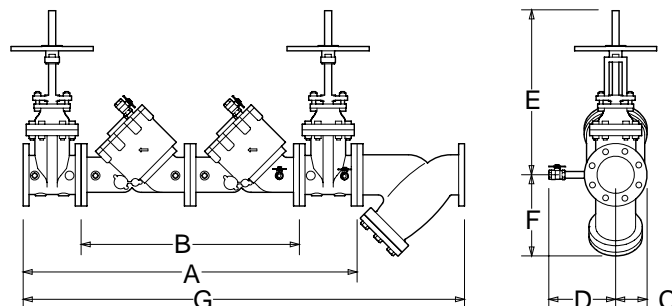
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard does not exist.

STANDARDS COMPLIANCE

- ☐ ASSE® Listed 1015 (Horizontal and Vertical Flow-Up)
- ☐ CSA® Certified (Horizontal and Vertical Flow-Up)
- ☐ IAPMO® Listed
- ☐ AWWA Compliant (Horizontal and Vertical Flow-Up)
- ☐ UL® Classified
- ☐ C-UL® Classified
- ☐ FM® Approved
- ☐ Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California for horizontal (all sizes) and vertical flow up (4", 6" & 8") installations

MATERIALS

Main valve body Cast Iron ASTM A126 Class B
 Access covers Cast Iron ASTM A126 Class B
 Coatings FDA Approved Epoxy finish
 Internals Stainless Steel, 300 Series
 Cast Bronze ASTM B 584
 Elastomers EPDM (FDA approved)
 Buna Nitrile (FDA approved)
 Polymers Delrin™, NSF Listed
 Springs Stainless steel, 300 series

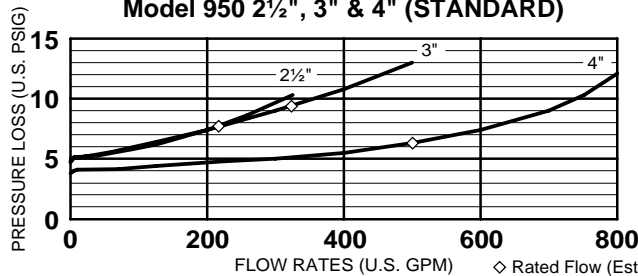


DIMENSIONS & WEIGHTS (do not include pkg.)

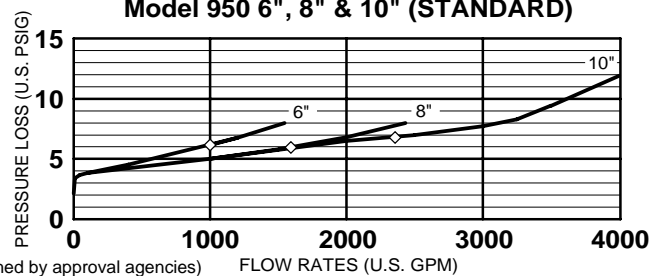
| MODEL SIZE | | DIMENSIONS (approximate) | | | | | | | | | | | | | | | | | | WEIGHT | | | | | |
|------------|-----|--------------------------|------|-----------------------|------|-------|-----|-----|-----|------------------------|------|--------------------------|-----|------------------|-----|--------|-----|---------|------|---------------------|-------|----------------------|------|-----------------------|-------|
| | | A | | B WITHOUT GATE VALVES | | C | | D | | E OS&Y GATE VALVE OPEN | | E OS&Y GATE VALVE CLOSED | | E NRS GATE VALVE | | F | | G | | WITHOUT GATE 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 | 37 1/8 | 943 | 22 | 559 | 4 | 102 | 8 | 203 | 16 | 406 | 14 | 356 | 13 | 330 | 8 3/8 | 213 | 47 1/8 | 1197 | 81 | 36.8 | 183 | 83.1 | 191 | 86.7 |
| 3 | 80 | 38 1/8 | 968 | 22 | 559 | 4 | 102 | 8 | 203 | 20 | 508 | 16 | 406 | 13 | 330 | 9 1/4 | 235 | 48 3/4 | 1238 | 81 | 36.8 | 205 | 93.1 | 215 | 97.6 |
| 4 | 100 | 50 1/4 | 1276 | 32 1/8 | 816 | 5 | 127 | 8 | 203 | 23 | 584 | 19 | 483 | 15 | 381 | 12 1/2 | 318 | 65 1/4 | 1657 | 222 | 100.8 | 396 | 180 | 398 | 180.7 |
| 6 | 150 | 62 | 1575 | 41 | 1041 | 6 | 152 | 10 | 254 | 31 | 787 | 25 | 635 | 19 | 483 | 14 | 356 | 80 1/8 | 2035 | 516 | 234 | 784 | 356 | 792 | 360 |
| 8 | 200 | 71 1/8 | 1807 | 48 | 1219 | 7 1/2 | 191 | 11 | 279 | 39 | 991 | 30 | 762 | 24 | 610 | 17 3/4 | 451 | 95 3/8 | 2423 | 827 | 375.5 | 1251 | 568 | 1255 | 570 |
| 10 | 250 | 84 1/8 | 2137 | 58 | 1473 | 9 | 229 | 12 | 305 | 46 | 1168 | 36 | 914 | 27 | 686 | 21 1/4 | 540 | 113 3/4 | 2889 | 1550 | 703.7 | 2300 | 1044 | 2300 | 1044 |

FLOW CHARACTERISTICS

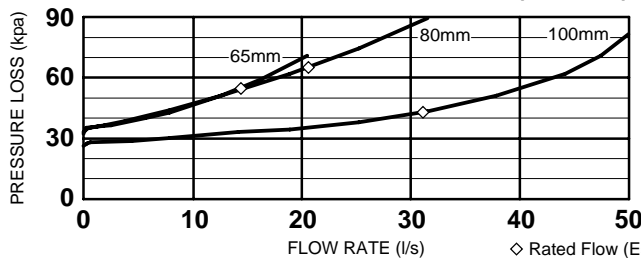
Model 950 2½", 3" & 4" (STANDARD)



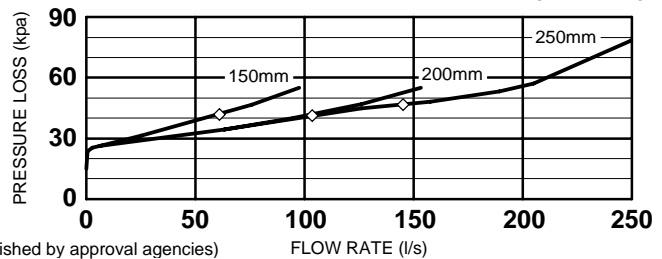
Model 950 6", 8" & 10" (STANDARD)



MODEL 950 65mm, 80mm & 100mm (METRIC)



MODEL 950 150mm, 200mm & 250mm (METRIC)

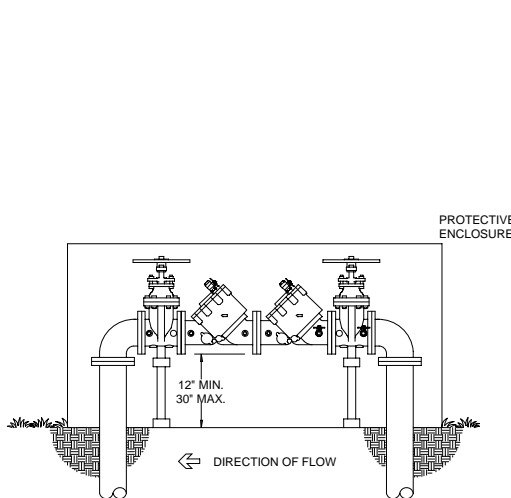


TYPICAL INSTALLATION

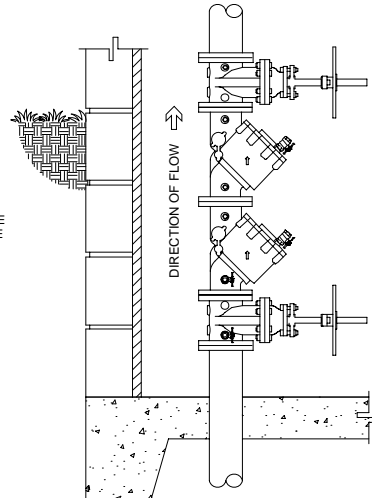
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the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

Capacity thru Schedule 40 Pipe (GPM)

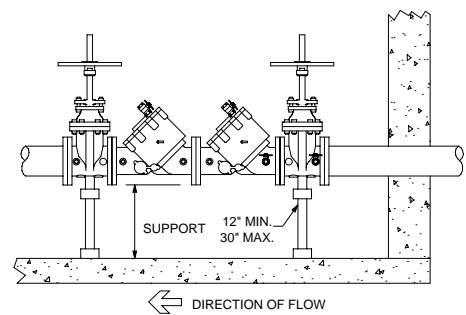
| Pipe size | 5 ft/sec | 7.5 ft/sec | 10 ft/sec | 15 ft/sec |
|-----------|----------|------------|-----------|-----------|
| 2 1/2" | 75 | 112 | 149 | 224 |
| 3" | 115 | 173 | 230 | 346 |
| 4" | 198 | 298 | 397 | 595 |
| 6" | 450 | 675 | 900 | 1351 |
| 8" | 780 | 1169 | 1559 | 2339 |
| 10" | 1229 | 1843 | 2458 | 3687 |



OUTDOOR INSTALLATION



VERTICAL INSTALLATION



INDOOR INSTALLATION

SPECIFICATIONS

The double check backflow preventer shall be ASSE® Listed 1015 , and supplied with full port gate valves. The main body and access covers shall be epoxy coated cast iron (ASTM A126 Class B), the seat ring and check valve shall be cast bronze (ASTM B 584), 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 preventer shall be a WILKINS Model 950.