

SPECIFICATION SUBMITTAL SHEET

FEATURES

Sizes: ☐ 2"

| | |
|--|------------|
| 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 OS & Y gate valves (standard)
- ☐ L - less shut-off valves (flanged body connections)
- ☐ LM - less water meter
- ☐ - with remote reading meter
- ☐ - with gpm meter (standard)
- ☐ - with cu ft/min meter
- ☐ G - with groove end gate valves
- ☐ FG - with flanged inlet gate connection and grooved outlet gate connection
- ☐ MS - with Integral Relief Valve Monitor Switch

ACCESSORIES

- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ OS & Y Gate valve tamper switch (OSY-40)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Test Cock Lock (Model TCL24)

APPLICATION

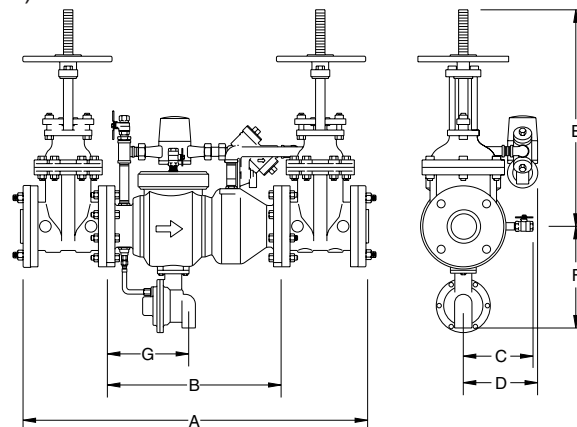
Designed for installation on potable water lines in fire protection systems to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375DA shall provide protection where a potential health hazard exists. Incorporates metered bypass to detect leaks and unauthorized water use. Model 375DA 2 1/2" is supplied with 2" companion flanges.

STANDARDS COMPLIANCE (applies to sizes 2 1/2")

- ASSE® Listed 1047
- UL® Classified
- C-UL® Classified
- FM® Approved
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

MATERIALS

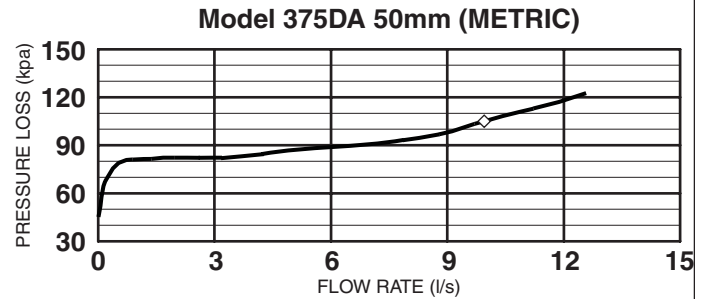
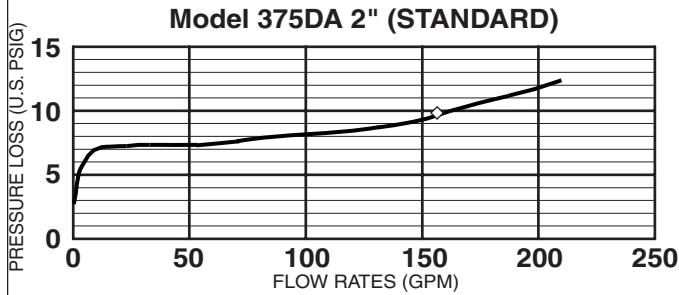
| | |
|-----------------|----------------------------------|
| Main valve body | Ductile Iron ASTM A 536 Grade 4 |
| Access covers | Ductile Iron ASTM A 536 Grade 4 |
| Coatings | FDA Approved fusion epoxy finish |
| Internals | Stainless steel, 300 Series |
| | NORYL™, NSF Listed |
| Fasteners | Stainless Steel, 300 Series |
| Elastomers | EPDM (FDA approved) |
| | Buna Nitrile (FDA approved) |
| Polymers | NORYL™, NSF Listed |
| Springs | Stainless steel, 300 series |
| Sensing line | Stainless steel, braided hose |



DIMENSIONS & WEIGHTS (do not include pkg.)

| MODEL 375DA SIZE | DIMENSIONS (approximate) | | | | | | | | | | | | | | | | WEIGHT | | |
|------------------------|--------------------------|--------|-----------------------------|--------|-----|-------|-----|----|-------------------|--------|---------------------|--------|-----|-------|-----|-------|------------------------|-----|----|
| | A | | B LESS GATE VALVES | | C | | D | | E OS&Y OPEN | | E OS&Y CLOSED | | F | | G | | OS&Y GATE VALVES | | |
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kg | |
| 2 | 50 | 33 1/2 | 851 | 15 7/8 | 403 | 7 1/4 | 184 | 9 | 229 | 16 3/8 | 416 | 13 7/8 | 352 | 9 1/2 | 241 | 8 3/8 | 213 | 201 | 91 |

FLOW CHARACTERISTICS

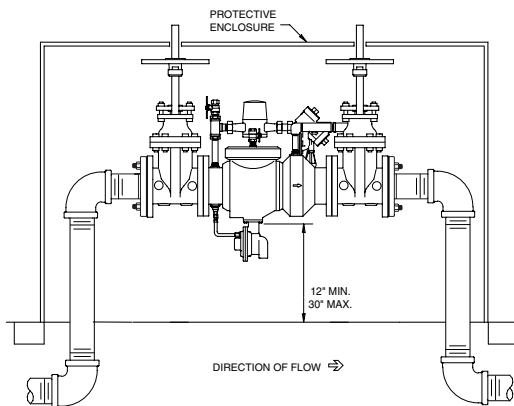


◇ Rated Flow
(Established by approval agencies)

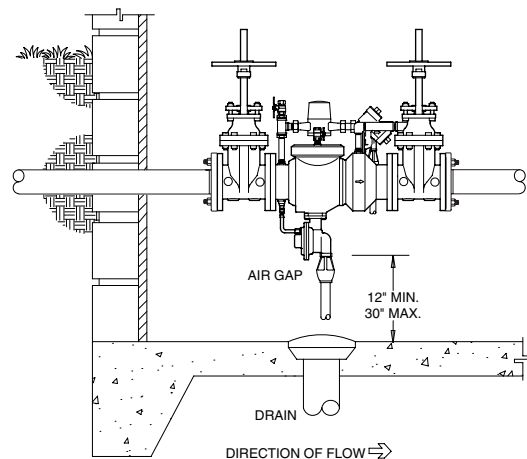
TYPICAL INSTALLATION

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. 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" | 52 | 78 | 105 | 167 |
| 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



INDOOR INSTALLATION

SPECIFICATIONS

The Reduced Pressure Detector Backflow Prevention Assembly shall be ASSE® Listed 1047, and supplied with full port OS & Y 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 and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Detector Backflow Prevention Assembly shall be a WILKINS Model 375DA.