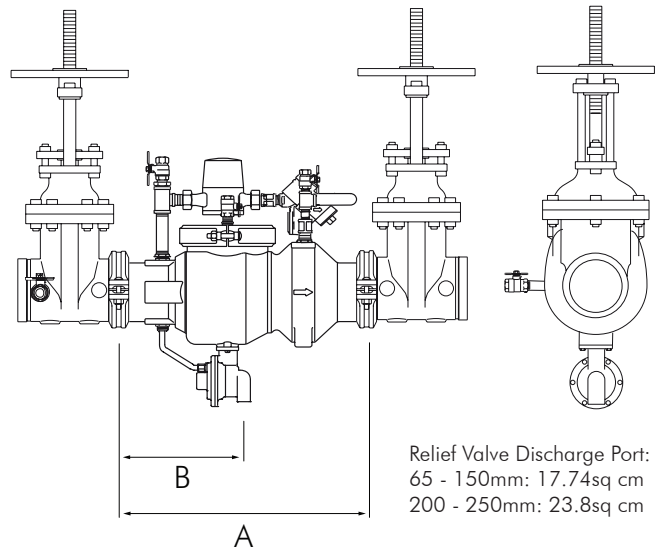


375ADA

REDUCED PRESSURE PRINCIPLE ASSEMBLY

WILKINS



FEATURES

- Sizes: □65* □80* □100 □150 □200 □250
 Maximum working water pressure 1203 kPa
 Maximum working water temperature 60°C
 Hydrostatic test pressure 2413 kPa
 End connections (Grooved for steel pipe) AWWA C606
 *65 & 80mm sizes use 100mm body & reducer coupling
 - Spring tension sums conform to pressure drop requirements of AS/NZS2845.1 2010
 - Two lockable isolation valves fitted on bypass to conform to AS/NZS2845.1 2010

OPTIONS

- L - less shut-off valves (grooved body connections)

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 375ADA shall provide protection where a potential health hazard exists. Incorporates metered by-pass to detect leaks and unauthorized water use.

STANDARDS COMPLIANCE

- ASSE® Listed 1047 (65 - 200mm)
- CSA® Certified (65 - 200mm)
- UL® Certified
- C-UL® Certified
- FM® Approved
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.
- NYC MEA 104-05-M

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE (mm)	A Less gates	B approx only	Weight kgs (less gates)
64	511	247	44
80	511	247	44
100	505	247	38
150	657	330	62
200	978	440	139
250	978	435	162

MATERIALS

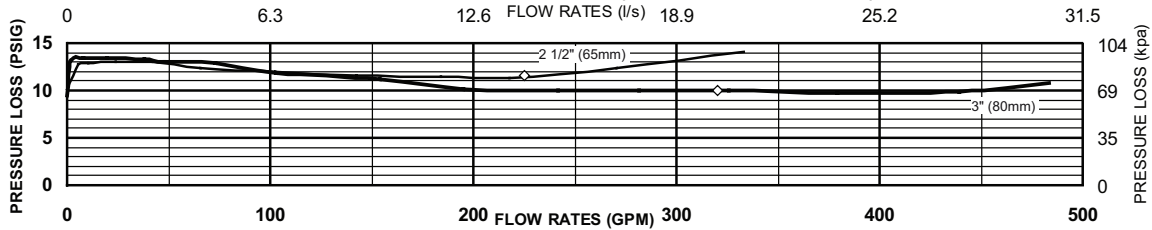
Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved fusion epoxy finish
Internals	Stainless steel, 300 Series NORYL™, NSF Listed
Fasteners & Springs	Stainless Steel, 300 Series
Elastomers	EPDM (FDA approved) Buna Nitrile (FDA approved)
Polymers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

MODELS

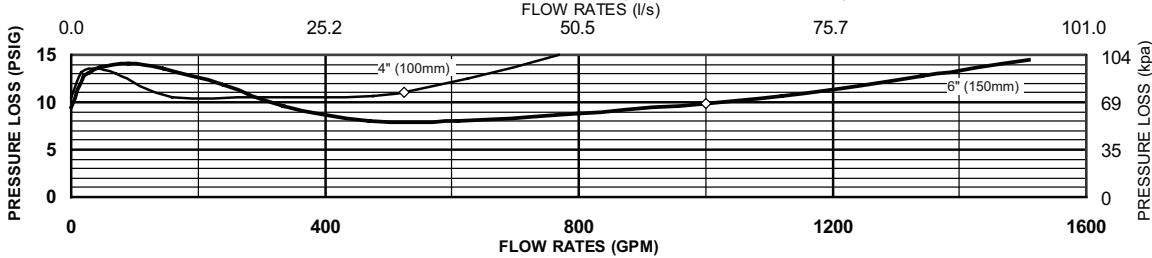
- 375ADA** - (grooved body) with OSYG gates
375DA - (flange body) have different lay lengths

FLOW CHARACTERISTICS

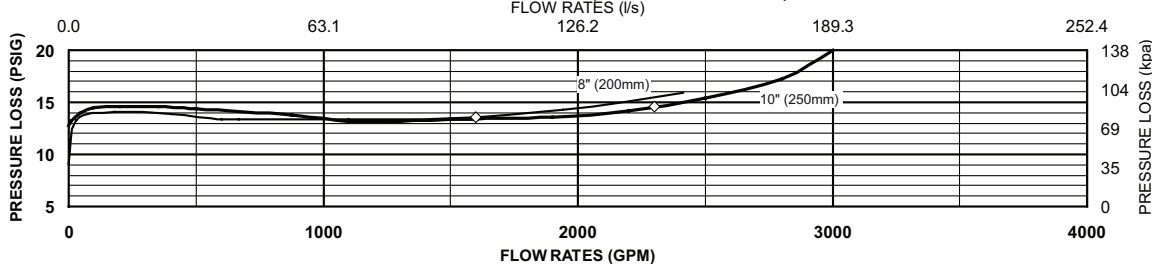
MODEL 375ADA 2-1/2" - 3" (STANDARD AND METRIC)



MODEL 375ADA 4" & 6" (STANDARD & METRIC)



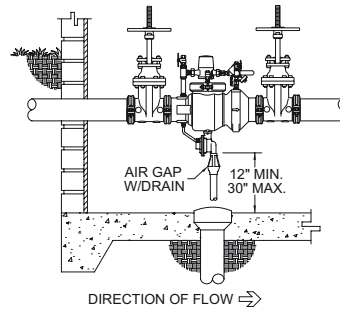
MODEL 375ADA 8" & 10" (STANDARD & METRIC)



Rated Flow (established by approval agencies)

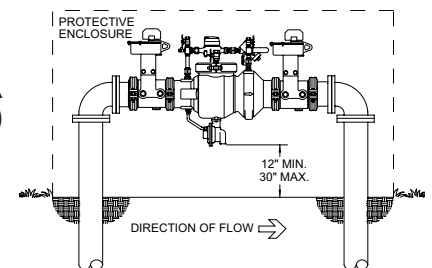
TYPICAL INSTALLATION

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.



DIRECTION OF FLOW ⇒

INDOOR
INSTALLATION
(MODEL 375ADA
WITH G OPTION)



OUTDOOR INSTALLATION
(375ADA with BGVIC option)

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

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 (ASTMA 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 375ADA.