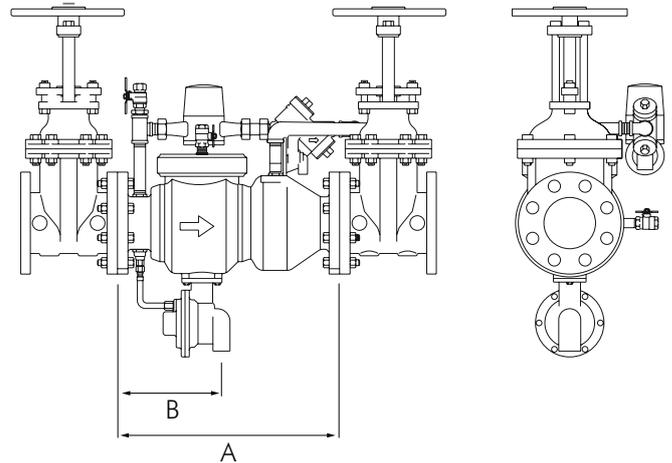


WILKINS - 375DA

REDUCED PRESSURE DETECTOR ASSEMBLY

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 (Flanged) BS5163
- 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 (Suffixes can be combined)

- LE - less shut-off valves (Table E flanges)
- LD - less shut-off valves (Table D flanges)
- E - with NRS Table E gate valves
- D with NRS Table D gate valves

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 by-pass to detect leaks and unauthorized water use.

STANDARDS COMPLIANCE

(Unless otherwise noted, applies to sizes 65 - 250mm)

- ASSE® Listed 1047 (65 - 200mm)
- UL® Classified
- CSA® Certified (100 & 150mm)
- C-UL® Classified
- FM® Approved
- NYC MEA 218-01-M VOL 3
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE (mm)	A (Less gates)	B (approx only)	Weight kgs (less gates)
64	403	213	27.2
80	403	213	27.2
100	533	254	44.5
150	673	313	79.5
200	959	426	171
250	959	426	185

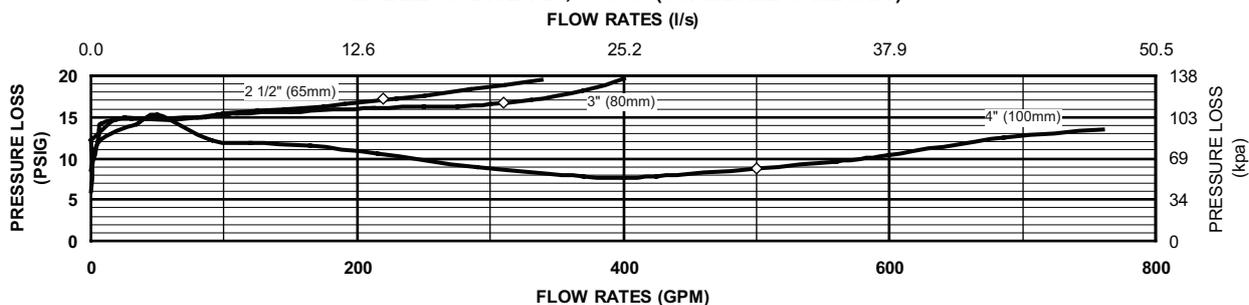
NOTE: Model 375DA (flange body) and Model 375ADA (grooved body have different lay lengths).

MATERIALS

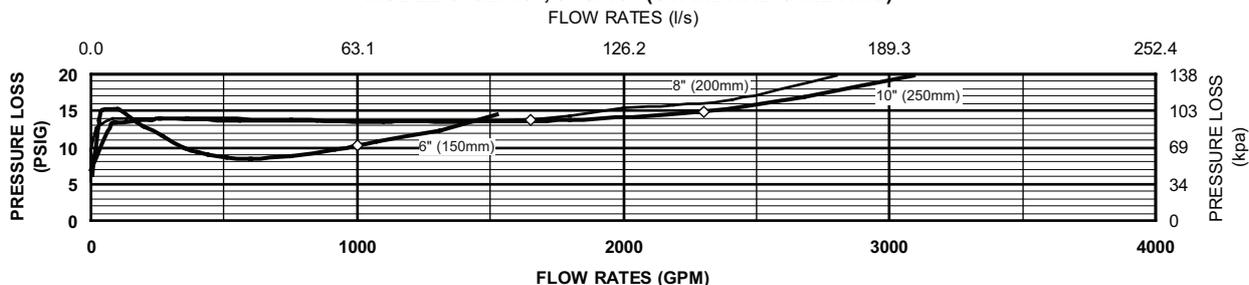
Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved fusion epoxy finish
Internals	Stainless steel, 300 Series NORYL™, NSF Listed
Fasteners	Stainless Steel, 300 Series
Elastomers	EPDM (FDA approved) Buna Nitrile (FDA approved)
Polymers	NORYL™,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

FLOW CHARACTERISTICS

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



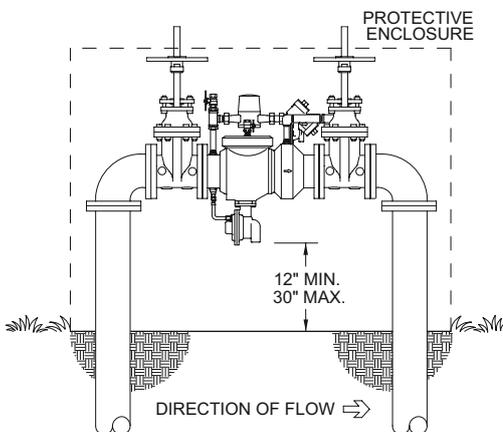
MODEL 375DA 6", 8" & 10" (STANDARD & METRIC)



◇ Rated Flow (Established by approval agencies)

TYPICAL INSTALLATION

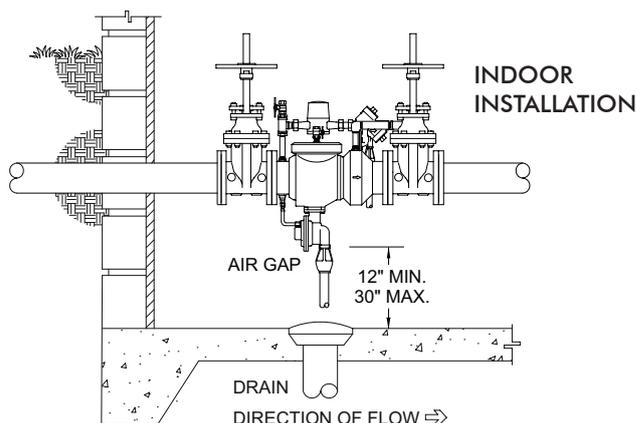
Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.



**OUTDOOR
INSTALLATION**

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 375DA.

WELLINGTON HEAD OFFICE
137 THORNDON QUAY
WELLINGTON 6011
PO BOX 3749
WELLINGTON 6140
T: (04) 472 7614 F: (04) 472 7658

AUCKLAND
8 BEATRICE TINSLEY CRES
ROSDALE 0632
PO BOX 3749
WELLINGTON 6140
T: (09) 444 2350 F: (09) 444 3085

HAMILTON
1/21 RAILSIDE PLACE
DINSDALE 3204
PO BOX 3749
WELLINGTON 6140
T: (07) 846 0602 F: (07) 846 0604

NAPIER
UNIT 35E, WAKEFIELD STREET
ONEKAWA 4110
PO BOX 3749
WELLINGTON 6140
T: (06) 834 3030

CHRISTCHURCH
4/89 VICKERY'S ROAD
WIGRAM 8042
PO BOX 11-033, SOCKBURN
CHRISTCHURCH 8443
T: (03) 379 2628 F: (03) 379 2627