



**FEATURES:**

**Sizes:** □ 2 ½" □ 3" □ 4" □ 6" □ 8" □ 10"

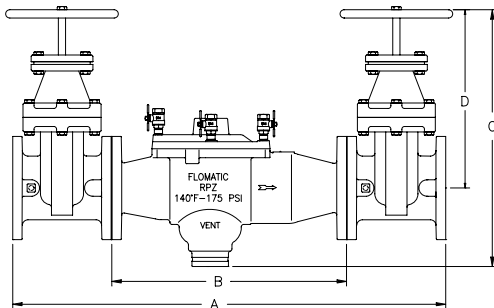
Max. working pressure: 175 PSI (1200 kPa)  
 Max. working temperature: 140°F (60°C)  
 Hydrostatic Test Pressure: 350 PSI (2400 kPa)

**MATERIALS:**

Valve Body: Ductile Iron  
 Access Cover: Ductile Iron  
 Polymers: Noryl™, NSF Listed  
 Elastomers: Silicone  
 Springs: Buna-n (FDA approved)  
 Coatings: Stainless Steel  
 Coatings: FDA approved fusion epoxy

**OPTIONS:**

- 1 – less NRS gate valves (ex B9215 replace 3<sup>rd</sup> number)
- OSY – with OS&Y gate valves



**STANDARDS COMPLAINE:**

- ASSE® Listed 1013
- CSA® Listed
- AWWA Compliant C511
- City of Los Angeles Approved
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
- FM 1221 Listed (must include shut-off valves)
- UL 1469 Listed (must include shut-off valves)
- NYC Dept of Building MEA 324-93-M Vol. 2

**FLOMATIC SPECIFICATIONS:**

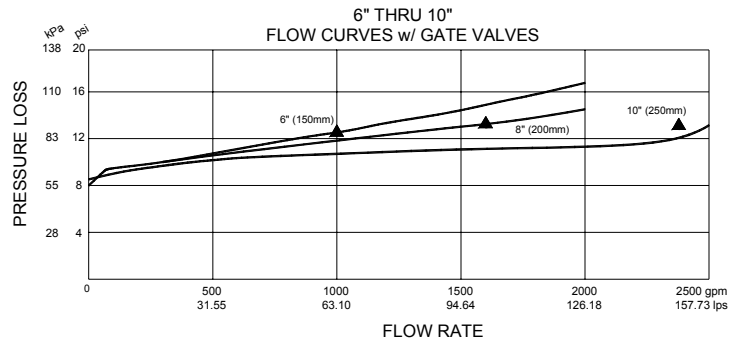
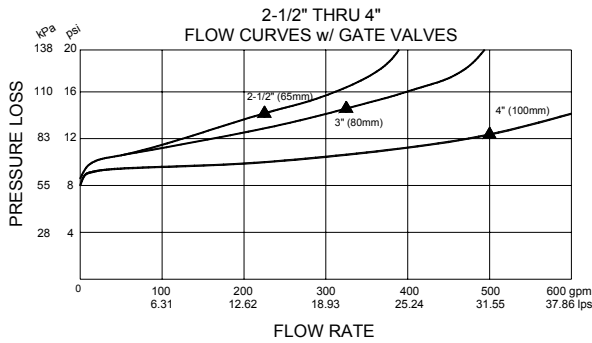
Reduced Pressure Principle backflow preventer shall protect against backflow by either backpressure or backsiphonage from a cross-connection between potable water systems and substances that are non-health and health hazards.

The device shall be constructed from Ductile Iron. It shall consist of two (2) mechanically independent, spring loaded, center stem guided check valves. It shall also have a hydraulically dependent differential pressure relief valve with the sensing passage set in an integral cast ductile iron body, with a single access cover. The assembly shall have four (4) vertical test cocks and two shut off valves which are quarter-turn, full-port, resilient seated and ball type which are constructed with low lead material, less than 0.25% lead content (ASTM C90500) or approved equal. Supplied with full ported gate valves.

The relief valve shall have removable stainless steel seat ring. The check valves shall be held into place by stainless steel clips and the check valve assemblies shall be non-interchangeable with silicone discs.

Size		Part #	A		B		C		D		Width		Wgt with GV		Wgt less GV	
Inch	mm		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lbs	kg	lbs	kg
2-1/2	65	B9205	31-1/4	794	16-1/4	413	16-7/16	418	11-3/8	289	8-1/32	204	164	74.5	60	27
3	80	B9206	32-1/4	819	16-1/4	413	17-7/16	443	12-3/8	314	10	254	186	84.5	60	27
4	100	B9207	39	991	21	533	22-13/32	569	14-3/4	375	10	254	314	142.5	120	54.5
6	150	B9209	44-5/8	1133	23-1/2	597	28-3/8	721	19	483	12-1/2	318	463	210	163	74
8	200	B92010	52-1/2	1334	29-1/2	749	32-7/16	824	22-1/2	572	15-3/16	386	710	322	300	136
10	250	B92011	60	1524	33-7/8	860	36-15/16	938	26-1/2	673	18	457	125	567	530	240

**FLOW CHARACTERISTICS**

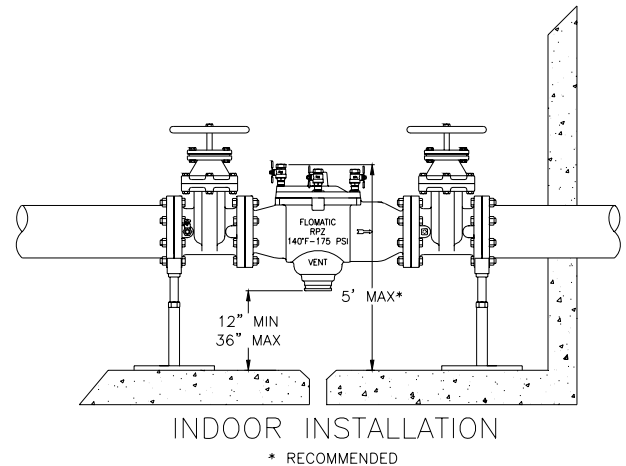
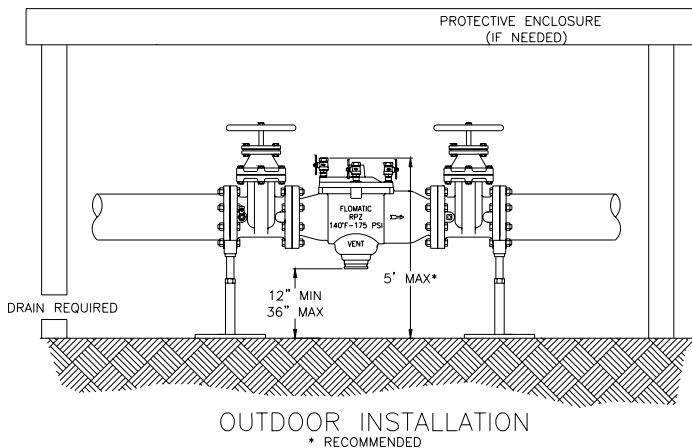


▲ **RATED FLOW**  
(Established by Approval Agencies)

**TYPICAL INSTALLATION**

Model RPZ Reduced Pressure Backflow Preventers should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum clearance of 12" (305mm) between port and floor or grade. The assembly shall have 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. Thermal water expansion can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and assembly.

Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 ½"	75	112	149	224
3"	115	173	230	346
4"	198	298	397	595
6"	450	675	900	1351
8"	780	1169	1559	2339



**WARRANTY:** Danfoss Flomatic valves are guaranteed against defects of materials or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to Danfoss Flomatic within 12 months from the date of purchase, it will be repaired or replaced free of charge. Danfoss Flomatics' liability shall be limited to our agreement to repair or replace the valve only.