

Model 805Y (3/4" through 2") Double Check Assembly

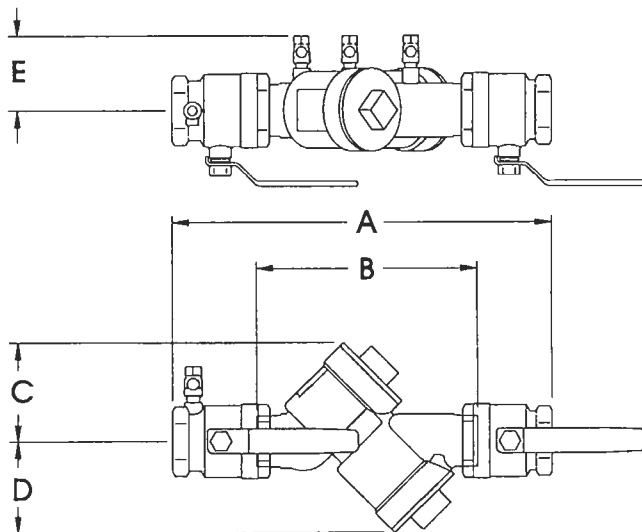
Features

- Low head loss.
- Spring loaded "Y" type check valves.
- Simple service procedures. All internal parts are serviceable inline.
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- Bronze bodies, caps, shut-off valves and test cocks.
- Replaceable seats optional (order with Suffix "R").

Specifications

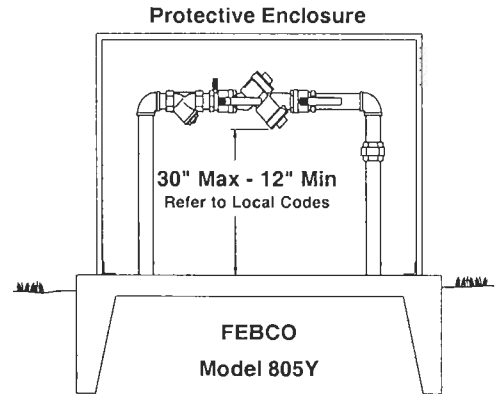
The Double Check Valve assembly 3/4" through 2" shall consist of a bronze body with bronze caps. The body shall be a "Y" pattern design incorporating two spring loaded, center guided check assemblies. The assembly shall include threaded inlet and outlet, full port ball valve shut-off valves and four ball valve test cocks. All internal parts shall be of corrosion resistant materials.

All Double Check Valves shall be constructed so all internal parts can be serviced without removing the assembly from the line. Seat discs shall be reversible. The assembly shall operate when installed in any position.



Applications

Double Check assemblies are used to prevent backflow of pollutants that are objectionable but not toxic, Double checks may be installed under continuous pressure service and may be subjected to backpressure. Double Checks can be used in sprinkler irrigation systems, fire protection without chemical additives, protection of industrial plants, industrial in-plant plumbing systems and other systems requiring protection. Local codes may vary; consult authorities for specific approved applications.



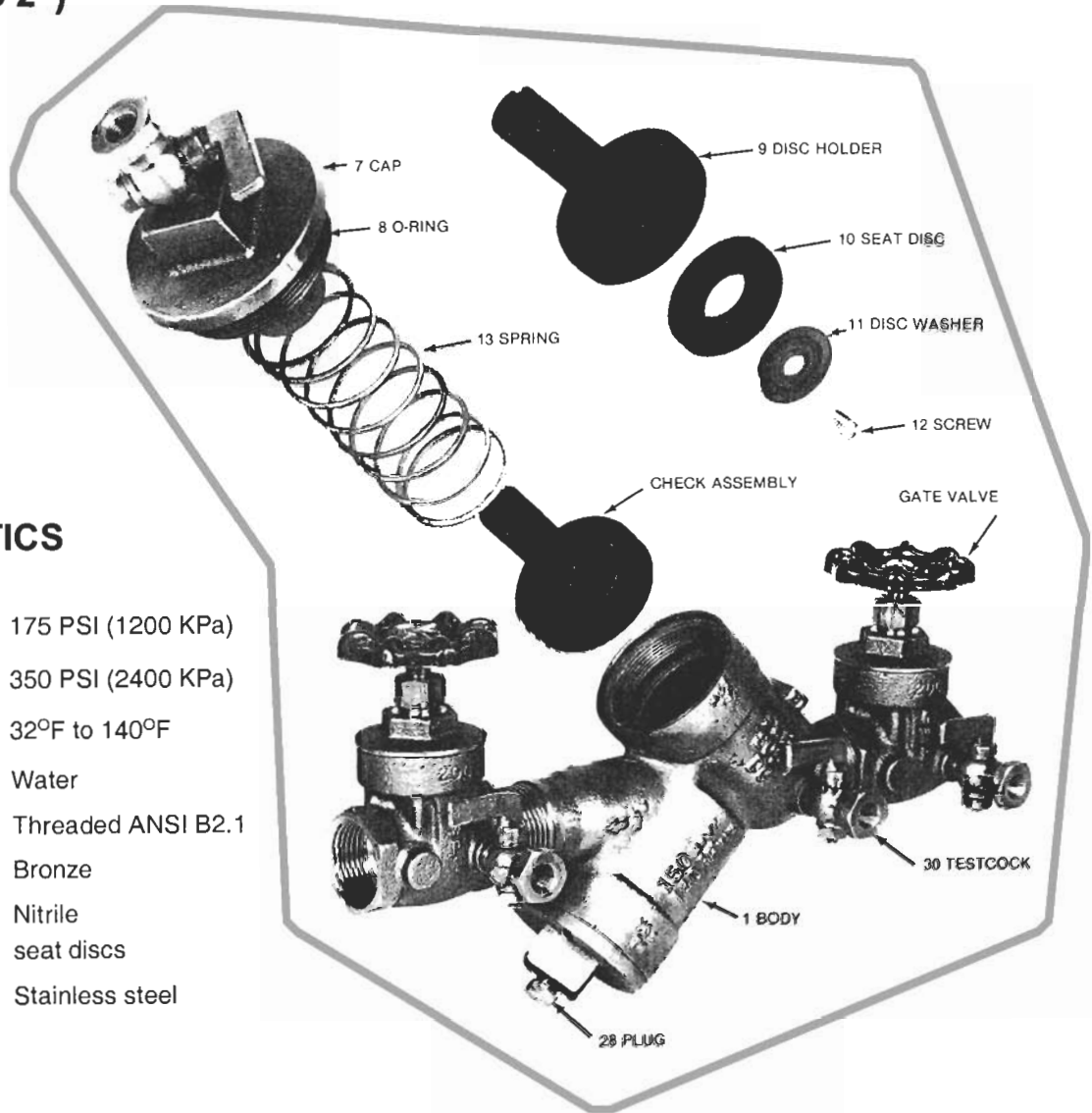
Installation

Model 805Y Double Check Backflow Preventers should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. The assembly may be installed horizontally or vertically. Refer to local codes for specific installation requirements. Some codes may prohibit vertical installation. Thermal water expansion and/or water hammer down stream of the backflow preventer can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and assembly.

Dimensions and Weights

(U.S. - Inches)						
SIZE	A	B	C	D	E	NET WT. (Lbs.)
3/4	11 1/8	6 7/8	3 1/4	3 1/4	2 3/4	7.0
1	12 5/8	6 3/4	3 1/4	3 1/4	2 7/8	7.5
1 1/2	16 5/8	10 1/8	4 5/8	4 1/2	3 1/2	17.5
2	17 1/2	10 1/8	4 5/8	4 1/2	3 1/2	20.0

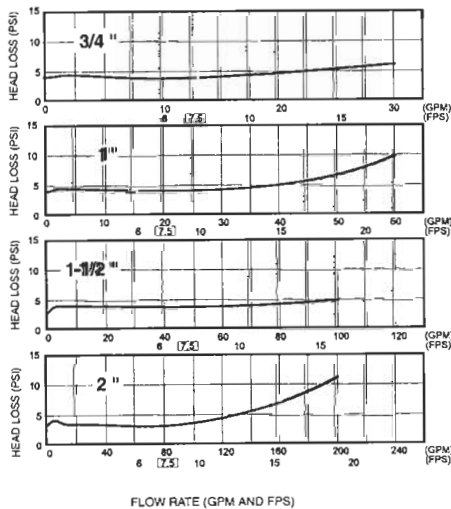
Model 805Y (3/4" to 2")



CHARACTERISTICS & MATERIALS

Max working pressure	175 PSI (1200 KPa)
Hydrostatic test pressure	350 PSI (2400 KPa)
Temperature Range	32°F to 140°F
Fluid	Water
End Detail	Threaded ANSI B2.1
Main Valve Body	Bronze
Elastomers	Nitrile seat discs
Springs	Stainless steel

FLOW CURVES



REPAIR PARTS & KITS

Fig No.	Description	Qty.	Size 3/4"	Size 1"	Size 1 1/2"	Size 2"
1	Body	-	-	-	-	-
7	Cap	2	101-134	101-134	101-135	101-135
8	O-Ring	2	398-226-72	398-226-72	398-235-72	398-235-72
9	Disc Holder	2	500-270	500-270	500-278	500-278
10	Seat Disc	2	400-099	400-099	400-103	400-103
11	Washer	2	300-084	300-084	300-108	300-108
12	Screw	2	516-543-03	516-543-03	516-543-03	516-543-03
13	Spring	2	630-115	630-115	630-118	630-118
29	Ball Valve - Inlet	2	781-053	781-054	781-056	781-057
29A	Ball Valve - Outlet	2	781-048	781-049	781-051	781-052
30	Testcock	4	781-074	781-074	781-075	781-075
Assemblies/Kits						
Rubber Parts						
	(8, 10-2 ea)	-	905-042	905-042	905-053	905-053
Check Assembly						
	(8, 9, 10, 11, and 12)	-	905-044	905-044	905-055	905-055