American Backflow Specialties
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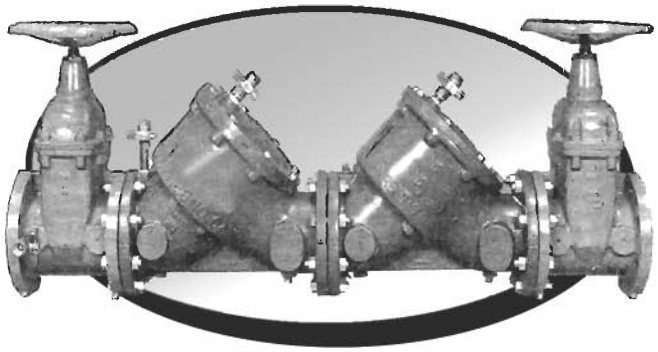


CLA-VAL™

Model DC7L
Double Check Backflow Preventer
2-1/2" to 10"

FEATURES

- **All stainless steel check assemblies**
- **Ductile iron body**
- Low head loss

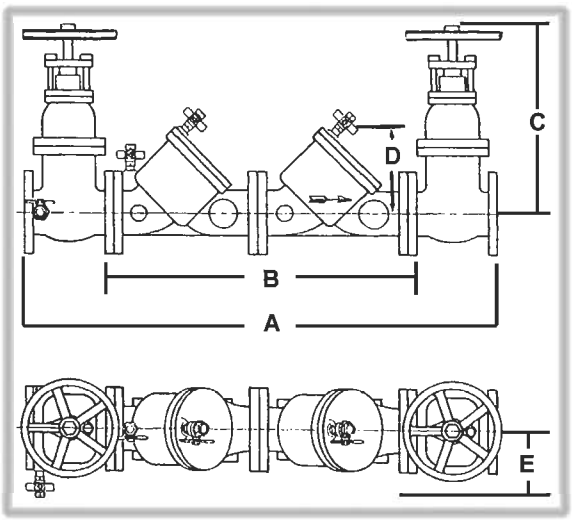
SPECIFICATIONS

Double check assemblies shall consist of two independent "Y" configured check valves. Checks shall be of the spring loaded, center stem guided type. All internal metal parts included in the check assemblies shall be of Series 300 stainless steel, and shall not contain any dissimilar metals. Elastomeric seat disc must be reversible, seat rings shall be B-61 bronze, or Series 300 stainless steel, bolted to the valve bodies incorporating an "O" ring seal to facilitate ease of field removal and replacement.

The check assembly shall be guided at the seat ring and at the cover by replaceable non-corrosive bushings to assure positive check seating. Head loss through the assembly shall not exceed 5.5 PSI at velocities from zero up to and including 7.5 FPS. Flow curves shall be documented by independent laboratory testing.

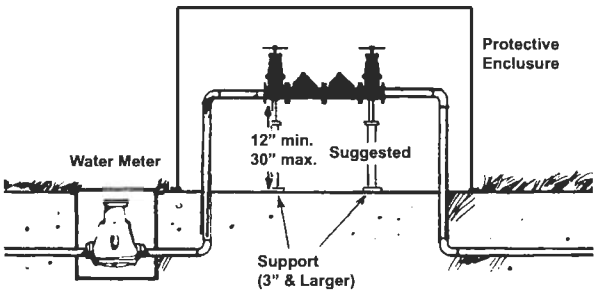
The assembly shall include flanged, full port resilient wedge shut-off valves and four vandal resistant full port ball valve testcocks, considered integral to the assembly. Assemblies must be factory assembled and backflow tested.

All double check valve assemblies shall be constructed so all internal parts, including seat rings, can be serviced without removing the device from the line.



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 DC7L 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 with flow up. Refer to local codes for specific installation requirements. Some codes may prohibit vertical installations. Larger sizes should be installed horizontally for ease of service. 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 & WEIGHTS

SIZE	A	B	C*	D	E	WT.(lbs.)
2½	37 3/16	22 1/16	12½	7½	5¼	230
3	41 11/16	25 9/16	14	8 1/16	6	240
4	50 7/16	32 5/16	17 3/8	11	6¾	390
6	59 11/16	38 9/16	21¼	14	8¼	675
8	69 3/16	46 1/16	26	18	9½	1130
10	84 3/16	58 1/16	30	22	10½	1530

* Applies to NRS gated valves only.