

Model 865 (3/4" - 1") Engineered Plastic Double Check Backflow Preventer for Low Hazard Service

Features

- Glass fiber reinforced nylon body and relief valve resist chemical attack and scale build-up.
- Simple service procedures. All internal parts serviceable in-line.
- Low head loss.
- Stainless steel shut-off valves and test cocks available.

Specifications

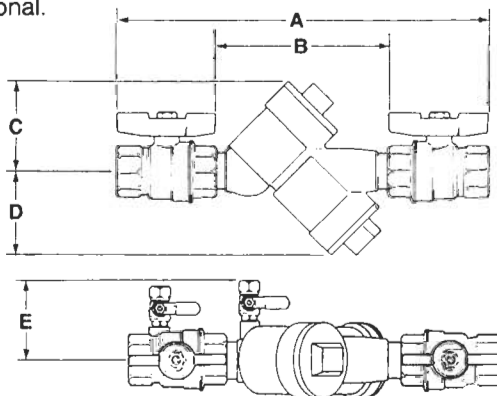
The Febco 865 Double Check Valve consists of two independently operating check valves. Inlet and outlet shut-off valves are mounted on flanged adapters. A stainless steel band clamp fastens the adapters to the mainline valve body. Four test cocks are added to make a complete and serviceable assembly. In normal operation, the check valves open with flow demand. During no-flow conditions, each check valve will hold 1 PSI in the flow direction.

Internal components shall be serviceable without removing the body from the line. Shut-off valves shall be ported. Check valve components shall be center stem guided.

Materials

Glass fiber reinforced nylon mainline valve and cap construction. Internal moving components are acetal. Nitrile seat discs and seals. Stainless steel and brass fasteners with bronze shut-off valves standard.

All stainless steel shut-off valves, test cocks and fasteners optional.



DIMENSIONS & WEIGHTS

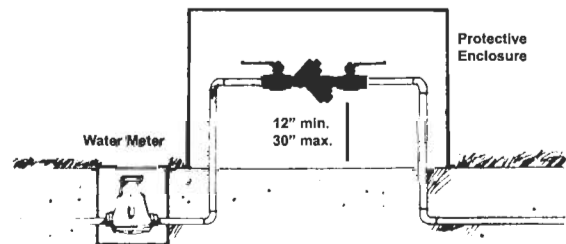
SIZE	A		B	C	D	E	LBS.
	BV	GV					
3/4"	12-3/4"	11-3/8"	5-5/8"	3-3/4"	3-3/4"	2-1/2"	4-1/2
1"	12-7/8"	11-3/8"	5-5/8"	3-3/4"	3-3/4"	2-1/2"	5

Applications

Double Check devices are used to prevent backflow of contaminants 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 irrigation systems, sprinkler systems, protection of industrial plants, industrial in-plant plumbing systems and other systems requiring maximum protection. Local codes may vary, consult authorities for specific approved applications.

Characteristics

Maximum working pressure	150 PSI
Hydrostatic test pressure	300 PSI
Temperature range	32°F to 110°F
Fluid	Water
End detail	3/4" and 1": Threaded ANSI B2.1
Main valve body and caps	Nylon, glass fiber reinforced
Elastomers	Nitrile ASTM D-2000 seat discs
2 Springs	Stainless steel, 300 series



Installation

Model 865 Double Check Backflow Preventers should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. See typical examples. Consult local codes for special requirements concerning device installation. Thermal water expansion and/or water hammer downstream of the backflow preventer can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and device.

