

Double Check Backflow Preventer Type DC500 (Lead Free)

DESCRIPTION

The Cash Acme DC 500 Double Check Backflow Preventer is designed to prevent the undesirable reversal of flow of water or other substances into the potable water system. The DC500 provides protection against back-pressure and back-siphonage backflow. The DC 500 body is constructed from engineered polymer and has corrosion resistant internal components. The Cash Acme DC500 is designed to streamline the number of working parts, making maintenance easy. The unique top-entry cover allows quick access to both check valves. The Cash Acme Double Check Backflow preventers are available in 3/4" thru 2" sizes. The DC500 is designed for maximum system pressures to 150 psi. The maximum operating temperature is 110°F (43°C).

FEATURES AND BENEFITS

Includes two full-port, quarter-turn ball valves:
Allows for quick isolation of main chamber for servicing.

Top-entry, single access cover:
Provides easy access and servicing for valve internals.

Body, test cocks, and shut-off valves are "lead free":
Designed to meet lead free standards.

Check valve seats composed of high quality Acetal material:
Seats will last longer and hold up to extreme conditions.

All internals composed of dimensionally stable, corrosion-resistant materials:
Provides for longer valve life and less servicing.



SPECIFICATION

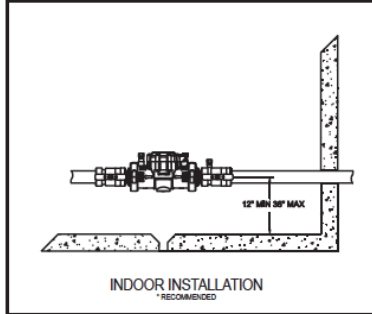
Double Check Valve Assembly Backflow Preventer shall protect against backflow by either back-pressure or back-siphonage from a cross-connection between potable water systems and substances that are low health hazards.

The device shall be constructed from lead free materials. It shall consist of two (2) mechanically independent, spring-loaded, center stem, guided check valves. The device shall have a lead free body, with a single access cover. The assembly shall have four (4) vertical test cocks and two (2) shut-off valves which are quarter turn, full-port, resilient seated and ball type.

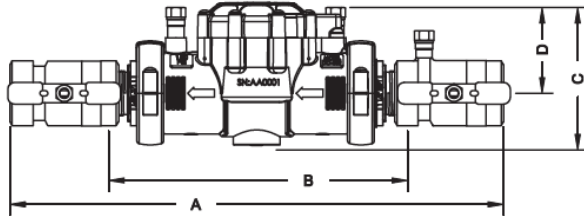
The seat of each check valve shall be constructed from Acetal and shall be replaceable. The check valves shall be held in place by spacer and the check valve assemblies shall be non-interchangeable with EPDM discs.

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TYPICAL INSTALLATION



SPECIFICATION DATA



Size	A	B	C	D	Width	Wgt with GV	Wgt less GV
Inch	Inch	Inch	Inch	Inch	Inch	lbs	lbs
3/4	11-5/8	7-5/8	3-3/4	2-11/16	4	1.61	3.12
1	13	7-7/8	3-3/4	2-11/16	4	4.33	1.71
1-1/2	19-7/8	13	6	3-7/8	6-1/4	10.81	5.75
2	20-3/4	13	6	3-7/8	6-1/4	14.39	5.82

Performance:

Maximum working pressure 150 psi
 Maximum working temp 110°F (43°C)
 Hydrostatic Test Pressure 300 psi

Materials:

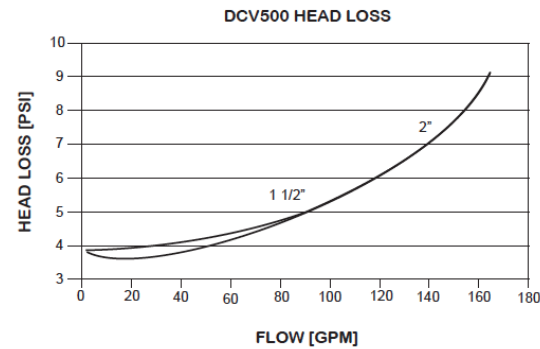
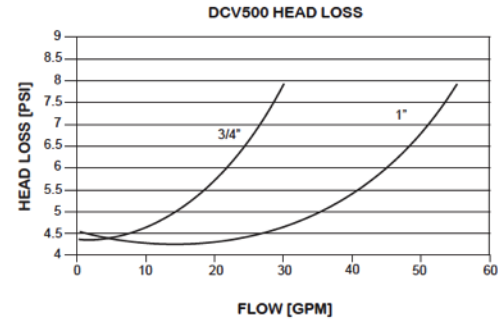
Valve Body Polyamide 6.50% glass reinforced Nylon
 Access Cover Polyamide 6.50% glass reinforced Nylon
 Check Valves Acetal
 Discs EPDM
 Springs Stainless Steel

AVAILABLE CONNECTIONS

3/4", 1", 1-1/2", and 2"

CERTIFICATIONS

ASSE 1015, NSF 61, AWWA C510, CSA B64.5. USC*



RATED FLOW
(Established by Approval Agencies)

Pipe size	Capacity thru Schedule 40 Pipe (GPM)			
	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
3/4"	8	12	17	25
1"	13	20	27	40
1-1/2"	23	35	47	70
1-1/2"	32	48	63	95
2"	52	78	98	157