

Double Check Backflow Preventer Type DCV (bronze)

DESCRIPTION

The Cash Acme Double Check Backflow Preventer (DCV) is designed to prevent the undesirable reversal of flow of water or other substances into the potable water system. The DCV provides protection against back-pressure and back-siphonage. The DCV body and ball valves are constructed from bronze and corrosion resistant internal components. The Cash Acme DCV 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 DCV is designed for maximum system pressures to 175 psi. The maximum operating temperature is 180°F (82°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 composed of bronze:

Inspector friendly, peace of mind!

Check valve seats composed of high quality Noryl™ 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

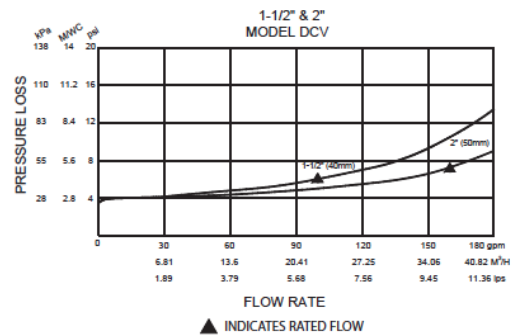
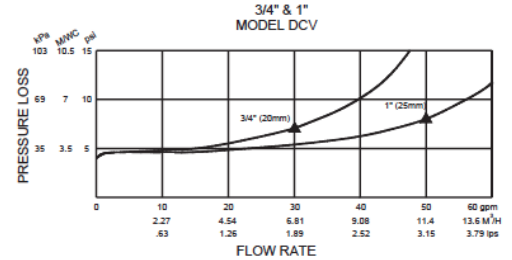
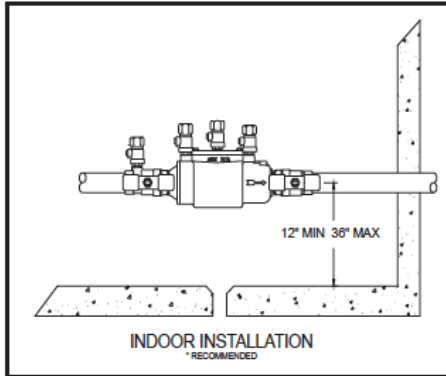
Double Check Valve Assembly Backflow Preventer shall protect against backflow by either back-pressure or back-siphonage from a cross-connection between potable water systems and substances that are low health hazards.

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

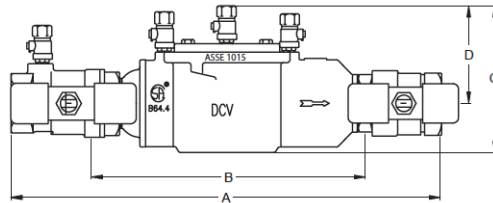
The seat of each check valve shall be constructed from Noryl™ and shall be replaceable. The check valves shall be held in place by stainless steel clips and the check valve assemblies shall be non-interchangeable with silicone discs.

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TYPICAL INSTALLATION



SPECIFICATION DATA



Size Inch	Part #	A Inch	B Inch	C Inch	D Inch	Width Inch	Wgt with GV lbs	Wgt less GV lbs
3/4	22980	12	7-5/8	5	3-1/2	3-1/4	7.25	5.5
1	22981	13	7-5/8	5	3-1/2	3-1/4	8.25	5.5
1-1/2	22982	19	12-1/2	6-1/2	4-3/8	4-3/4	23.5	17
2	22983	20	12-1/2	6-1/2	4-3/8	4-3/4	28	17

Performance:

Maximum working pressure 175 psi
 Maximum working temp 180°F (82°C)
 Hydrostatic Test Pressure 350 psi

Materials:

Valve Body Bronze
 Access Cover Bronze
 Polymers Noryl™, NSF Listed
 Elastomers Silicone
 Springs Stainless Steel

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

AVAILABLE CONNECTIONS

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

CERTIFICATIONS

The Cash Acme® Double Check Backflow Preventers Type DCV are USC and ASSE 1015 listed, AWWA Compliant C510. All major national approvals.