Double Check Valve Specification Submittal Sheet

Model DCV (2½" - 8")

Flomatic Corporation

STANDARDS COMPLIANCE:

- ASSE® Listed 1015
- AWWA Compliant C510
- City of Los Angeles Approved
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
- FM 1221 Listed
- UL 1469 Listed
- NYC Dept of Building MEA 3223-93-M Vol. 2
- **LEAD PLUMBING LAW COMPLIANCE**
  .25% Max Weighted Average Lead Content
  Certified by IAPMO R&T Lab without Gate Valves

FEATURES:

Sizes: □2 ½" □3" □4" □6" □8"

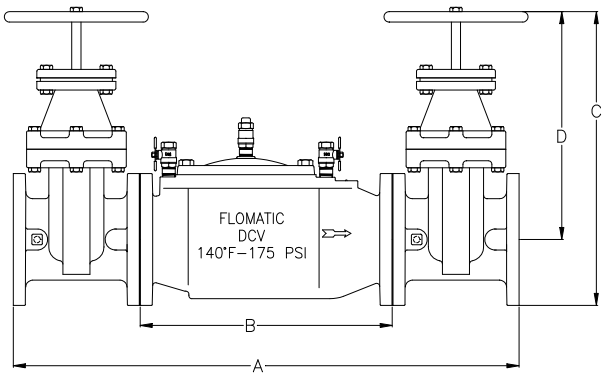
Max. working pressure:	175 PSI (1200 kPa)
Max. working temperature:	140°F (82°C)
Hydrostatic Test Pressure:	350 PSI (2400 kPa)

MATERIALS:

Valve Body:	Ductile Iron
Access Cover:	Ductile Iron
Polymers:	Noryl™, NSF Listed
Elastomers:	Silicone
	Buna-n (FDA approved)
Springs:	Stainless Steel
Coating:	FDA approved fusion epoxy

OPTIONS:

□ 1 – less NRS gate valves (ex B9115 replace 3rd number)
□ OSY – with OS&Y valves



FLOMATIC SPECIFICATIONS:

Double Check Valve Assembly backflow preventer shall protect against backflow by either backpressure or backsiphonage from a cross-connection between potable water systems and substances that are non-health hazards.

The device shall be ANSI 3rd party certified to comply with states lead plumbing law and shall be constructed from Ductile Iron. It shall consist of two (2) mechanically independent, spring loaded, center stem, guided check valves. The device shall have a cast ductile iron body, with a single access cover. The assembly shall have four (4) vertical shut off valves which are quarter-turn, full-port, resilient seated and ball type which are constructed with low lead material, less than 0.25% lead content (ASTM C90500) or approved equal. Supplied with full ported gate valves.

The check valves shall be held in place by stainless steel slips and the check valve assemblies shall be non-interchangeable with silicone discs.

Size		Part #	A		B		C		D		Width		Wgt with GV		Wgt less GV	
Inch	mm		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	Mm	lbs	kg	lbs	kg
2-1/2	65	B9105	31-1/4	794	16-1/4	413	14-7/8	378	11-3/8	289	7-3/4	197	154	70	50	22.75
3	80	B9106	32-1/4	819	16-1/4	413	16-1/8	410	12-3/8	314	10	254	176	80	50	22.75
4	100	B9107	39	991	21	533	19-1/4	489	14-3/4	375	10	254	290	131.75	100	45.5
6	150	B9109	42	1067	21	533	24-1/2	622	19	483	12-1/8	308	447	202.75	147	66.75
8	200	B91010	50-1/2	1283	27-1/2	699	29-1/4	743	22-1/2	572	14-3/4	375	695	315.25	285	129.5

Flomatic Corporation, 15 Pruyn's Island, Glens Falls, New York 12801
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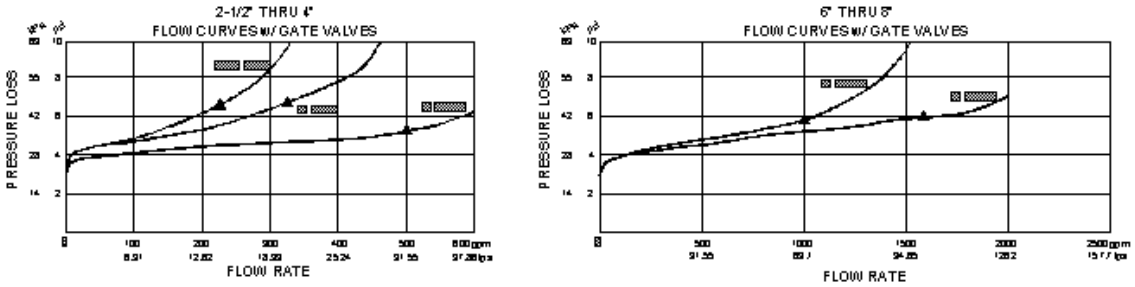
FLOW CHARACTERISTICS

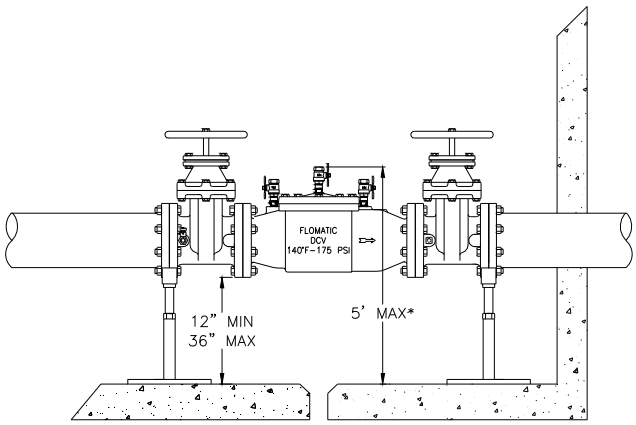


▲ RATED FLOW
(Established by Approval Agencies)

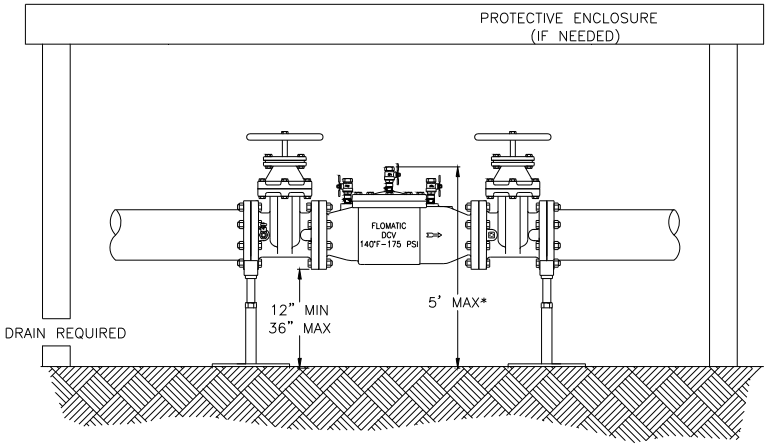
TYPICAL INSTALLATION

Model DCV Double Check Valve Backflow Preventers should be installed with adequate clearance and easy accessibility for testing and maintenance and must be protected from freezing. Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum clearance of 12" (305mm) between port and floor or grade. The assembly shall have a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged. Thermal water expansion can cause excessive pressure. Excessive pressure situations should be eliminated to avoid possible damage to the system and assembly.

Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 ½"	**75**	**112**	**149**	**224**
3"	**115**	**173**	**230**	**346**
4"	**198**	**298**	**397**	**595**
6"	**450**	**675**	**900**	**1351**
8"	**780**	**1169**	**1559**	**2339**



INDOOR INSTALLATION
* RECOMMENDED



OUTDOOR INSTALLATION
* RECOMMENDED

WARRANTY: Flomatic valves are guaranteed against defects of materials or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to Flomatic Corporation within 12 months from the date of purchase, it will be repaired or replaced free of charge. Flomatic Corporations' liability shall be limited to our agreement to repair or replace the valve only.

Double Check Valve Specification Submittal Sheet

Model DCV (10”)

Flomatic Corporation

STANDARDS COMPLIANCE:

- AWWA Compliant C510
- **LEAD PLUMBING LAW COMPLIANCE**
  .25% Max Weighted Average Lead Content
  Certified by IAPMO R&T Lab without Gate Valves

FEATURES:

Size: □10”

Max. working pressure:	175 PSI (1200 kPa)
Max. working temperature:	140°F (82°C)
Hydrostatic Test Pressure:	350 PSI (2400 kPa)

MATERIALS:

Valve Body:	Ductile Iron
Access Cover:	Ductile Iron
Polymers:	Noryl™, NSF Listed
Elastomers:	Silicone
	Buna-n (FDA approved)
Springs:	Stainless Steel
Coating:	FDA approved fusion epoxy

OPTIONS:

□ 1 – less NRS gate valves (ex B91**1**11 replace 3rd number)
□ OSY – with OS&Y valves

FLOMATIC SPECIFICATIONS:

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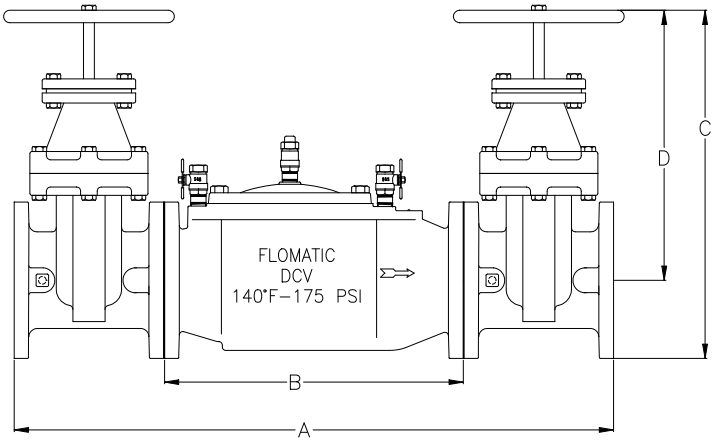

Size		Part #	A		B		C		D		Width		Wgt with GV		Wgt less GV	
Inch	mm		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	Mm	lbs	kg	lbs	kg
10	250	B91011	58-3/4	1492	32-1/2	826	34-1/2	876	26-1/2	673	18	457	1170	530	450	204

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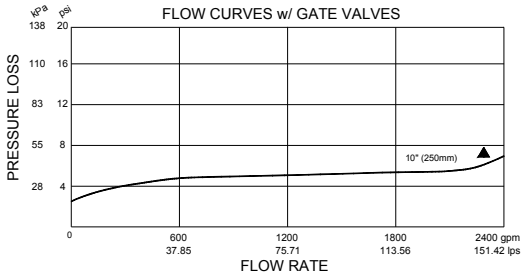
Specification Sheet DCV10

FLOW CHARACTERISTICS



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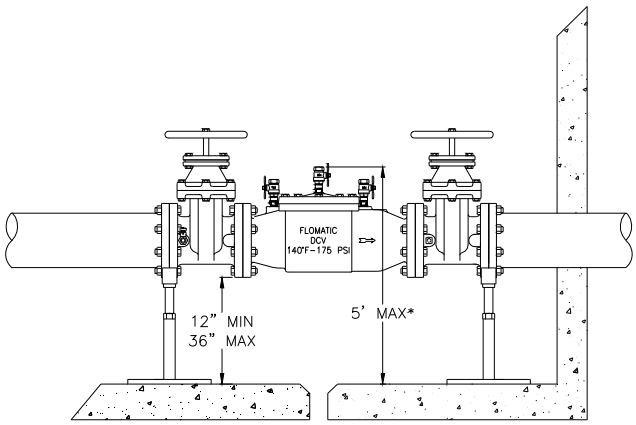
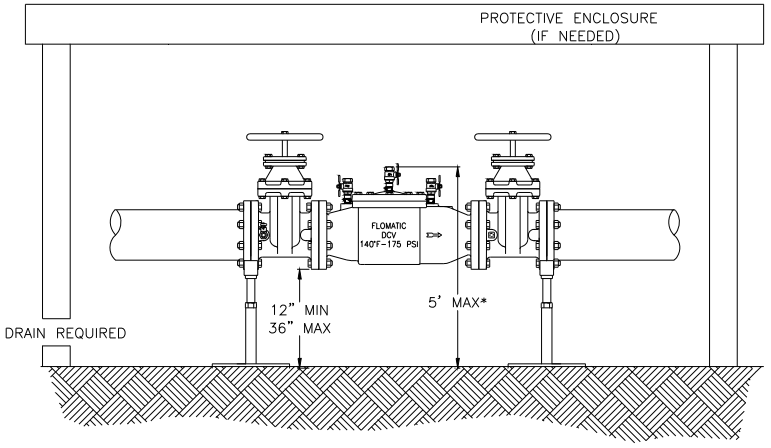
Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
10”	**1229**	**1843**	**2458**	**3687**



INDOOR INSTALLATION
* RECOMMENDED



OUTDOOR INSTALLATION
* RECOMMENDED

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