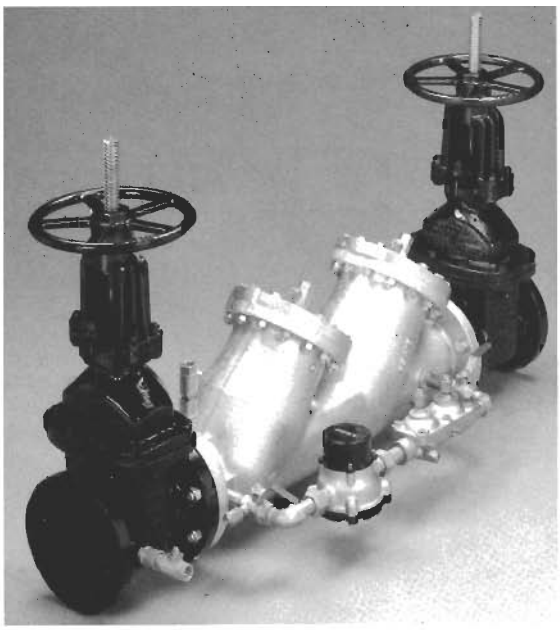

Hersey Meters

Model DDC II
Double Detector Check Valve Backflow Preventor
(3", 4", 6", 8", 10")

FEATURES

Replaceable seats.
Smooth transition from low to high flow rates.
Low head loss through operating range.
Rugged construction for long dependable service.
In-line maintenance.
Test cocks for in-line field testing.

DESCRIPTION

With the features of a detector check and a double check valve assembly, Model DDC II controls cross-connections that do not present a health hazard, while also detecting leakage or unauthorized water user in fire or sprinkler systems.

The mainline consists of two independent spring loaded poppet-type check valve assemblies mounted in a common body. Two gate valves and four test cocks for field testing complete the basic features. The valve assemblies are of modular design and easily removed from the top of the device for in-line servicing. The bypass consists of an approved double check valve assembly, shutoff valves, testcocks, and a meter with low flow accuracy.

SIZE	3" x ¾"	4" x ¾"	6" x ¾"	8" x ¾"	10" x ¾"
A	40⅝"	47½"	62"	75½"	88"
B	4"	4 1/16"	5¾"	7"	8½"
C	4⅛"	4 1/16"	6 3/16"	8⅜"	10 3/16"
D	9⅝"	13"	14¼"	15¼"	16¼"
E (OS + Y) (open)	22 1/16"	25"	32¾"	41½"	48½"
Size of Test Cocks	½"	½"	¾"	¾"	¾"
Net Wt. No Valves, Lbs.	270	276	440	1010	1735
Net Wt. W/OS+Y Valves, Lbs.	300	494	815	1634	2685
Gross Wt. No Valves, Lbs.	290	316	530	1114	1900
Gross Wt. W/OS+Y Valves, Lbs.	330	576	905	1738	2860

OPERATION

In normai operation, the independent spring loaded check valves remain closed until there is a demand for water. Low flow is routed through the bypass, and volume recorded on a Hersey positive displacement or turbine meter. Higher flows will cause both check valves in the mainline to open. With the mainline open, water flows through the bypass below capacity. If pressure increases downstream of the unit, the two check valves in the main unit and the double check valves in the bypass close to prevent backflow. If the second check is prevented from closing tightly, the first valve still protects from backflow.

APPLICATION

For use at cross-connections when the danger of backflow does not present a health-hazard. A primary application is installation in fire lines to detect leaks or unauthorized use of water.

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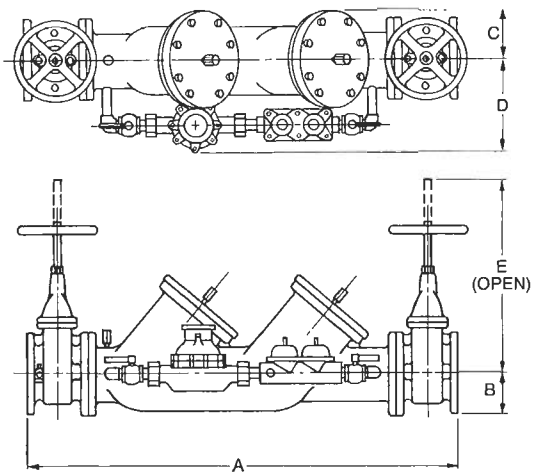
Beeco
Hersey
Craneline

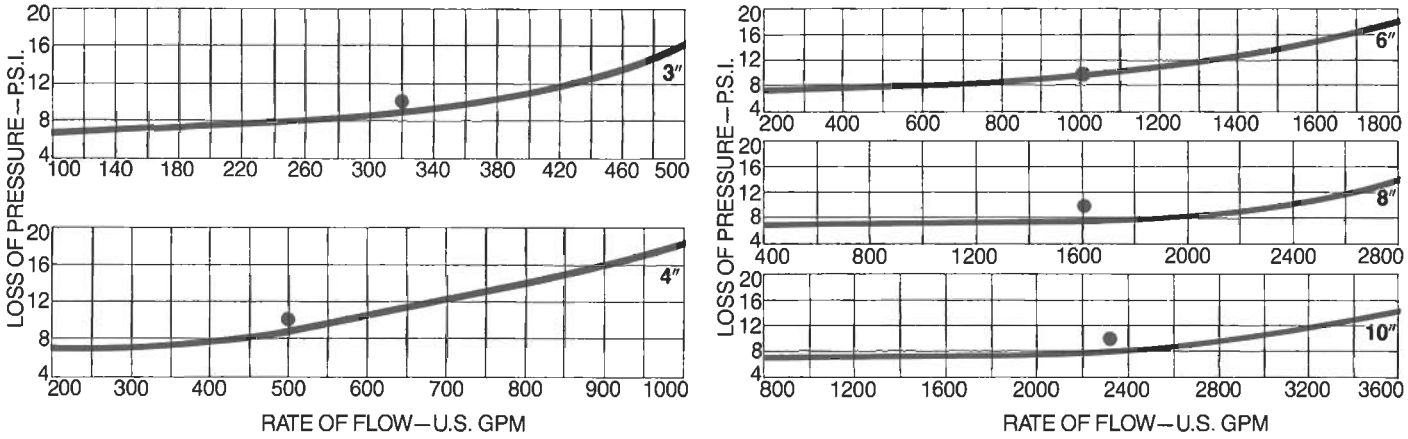
APPROVALS

USC FCCC & HR, CSA, FM, UL Classified.

DIMENSIONS



FLOW CURVES



NOTE: ●Maximum Allowable Pressure Loss allowed by USC at indicated flow.

MATERIALS & CHARACTERISTICS

Mainline case	Hot-dipped galvanized or epoxy-coated cast iron
Working parts	Bronz & stainless steel
Springs	Stainless steel
Valve discs	Silicone rubber
Bypass meter	Positive displacement or turbine
Max. rated presure	175 PSI
Hydrostatic test pressure	350 PSI
Temperature range	33° to 100°F

MODEL DDC II

REPAIR KITS SAME AS MODEL No. 2

American Backflow Specialties
www.americanbackflow.com
(800) 66-BKFLO
(619) 527-2525
Fax: (619) 527-2527