

Double Check Valve Backflow Prevention Assembly Sizes 3" – 4" – 6" – 8" – 10"

FEATURES

Replaceable seats.

Smooth transition from low to high flow rates.

Low head loss throughout operating range.

Rugged construction for long dependable service.

Can be specified for hot water applications.

In-line maintenance.

Test cocks for in-line field testing.

Approvals by: USC, CSA B64.5, ASSE 1015, AWWA C510, FM; IAPMO listed; UL, ULC classified.

DESCRIPTION

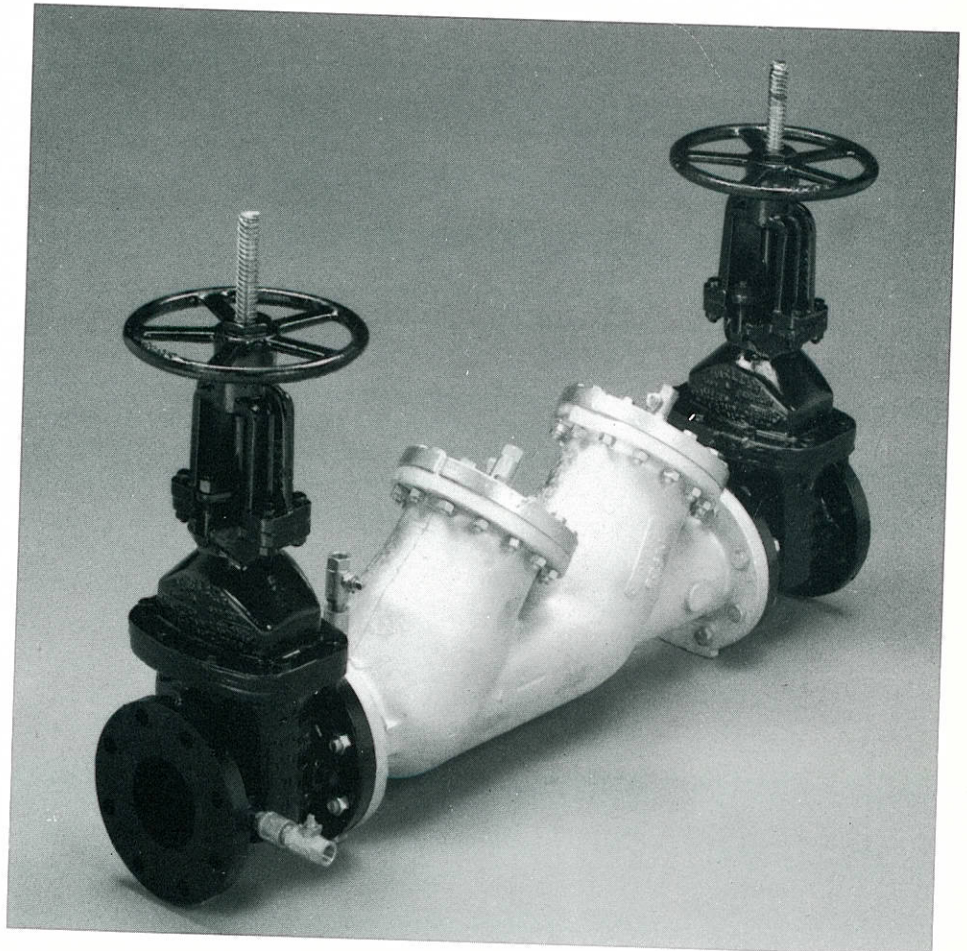
The Hersey Model No. 2 Double Check Valve Backflow Prevention Assembly consists of two independent spring loaded poppet-type check valve assemblies mounted in a common body. Two gate valves and four test cocks for field testing complete the basic features. The valve assemblies are of modular design and easily removed from the top of the device for in-line servicing.

OPERATION

In normal operation, the independent, spring loaded check valves remain closed until there is a demand for water. Each of the two check valves in series is designed to open at one (1) psi pressure differential in the direction of flow. In the event pressure increases downstream of the unit, tending to reverse direction of flow, both check valves are closed to prevent backflow. If the second check valve is prevented from closing tightly, the first check valve will still provide protection from a backflow condition.

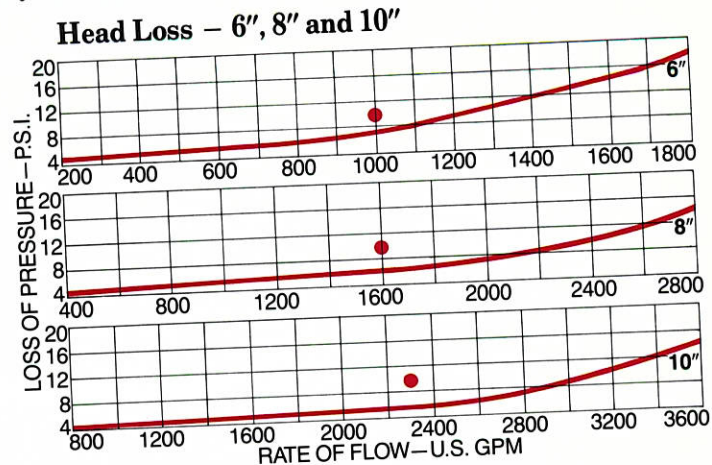
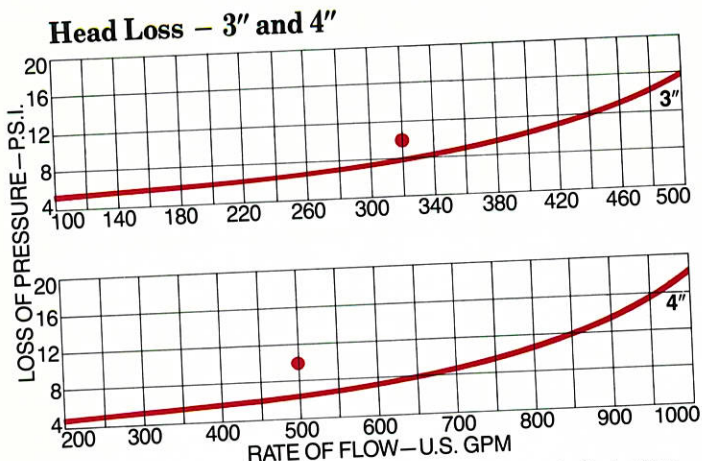
APPLICATION

For use at cross-connections when the danger from backflow does not present a health-hazard. The No. 2 may be installed in a horizontal or vertical position. Vertical installation is recommended only when the flow of water is upward.



Model No. 2

PERFORMANCE (Performance curves are typical only and not a guarantee of performance)



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

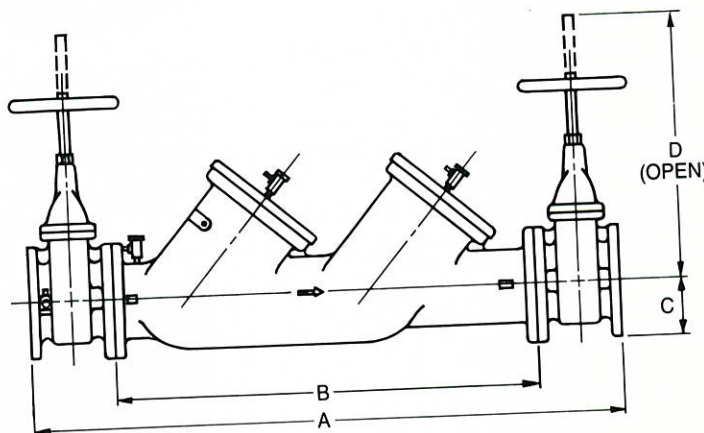
DIMENSIONS

SIZE	3"	4"	6"	8"	10"
A	40 ⁵ / ₈ "	47 ¹ / ₂ "	62"	75 ¹ / ₂ "	88"
B	24 ⁵ / ₈ "	29 ¹ / ₂ "	41"	52 ¹ / ₂ "	62"
C	4"	4 ¹ / ₁₆ "	5 ³ / ₄ "	7"	8 ¹ / ₂ "
D (NRS)	13 ⁵ / ₈ "	15 ¹ / ₄ "	19 ⁷ / ₈ "	24 ¹ / ₂ "	29 ³ / ₄ "
D (OS + Y*)	22 ¹ / ₁₆ "	25"	32 ³ / ₄ "	41 ¹ / ₂ "	48 ¹ / ₂ "
Max. Width	8 ¹ / ₄ "	9 ¹ / ₂ "	12 ³ / ₈ "	16 ³ / ₄ "	20 ³ / ₈ "
Size of Test Cocks	1/2"	1/2"	3/4"	3/4"	3/4"

*OS + Y gate valve: "D" dimension open.

WEIGHTS

SIZE	3"	4"	6"	8"	10"
Net Wt. No Valves, Lbs.	136	240	448	922	1715
Net Wt. W/NRS Valves, Lbs.	250	430	786	1412	2655
Net Wt. W/OS + Y Valves, Lbs.	270	450	848	1522	2665
Gross Wt. No Valves, Lbs.	166	270	530	1027	1880
Gross Wt. W/NRS Valves, Lbs.	280	460	906	1637	2830
Gross Wt. W/OS + Y Valves, Lbs.	300	480	930	1747	2840



MATERIALS AND SPECIFICATIONS

Mainline case hot-dipped galvanized or epoxy-coated cast iron
 Working parts bronze and stainless steel
 Springs stainless steel
 Valve discs silicone rubber

Maximum rated working pressure 175 psi
 Hydrostatic test pressure 350 psi
 Temperature range 33°-140° F
 (Available up to 180° F)