



## Hersey Meters

### Model No. 2 (3" to 10") Double Check Valve Assembly

#### FEATURES

- Replaceable seats.
- Smooth transition from low to high flow rates.
- Low head loss through 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.

#### 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 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 is prevented from closing tightly, the first valve still protects from backflow.

#### DESCRIPTION

The Model 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.

#### APPLICATION

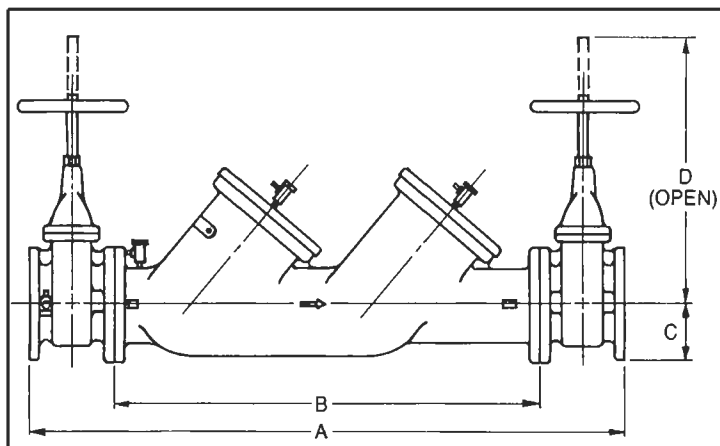
For use at cross-connections when the danger of backflow does not present a health-hazard. Model 2 may be installed in a horizontal or vertical position. Vertical installation is recommended only when the flow of water is upward.

#### APPROVALS

USC, CSA B64.5, ASSE 1015, AWWA C510, FM, IAPMO Listed, UL, ULC Classified

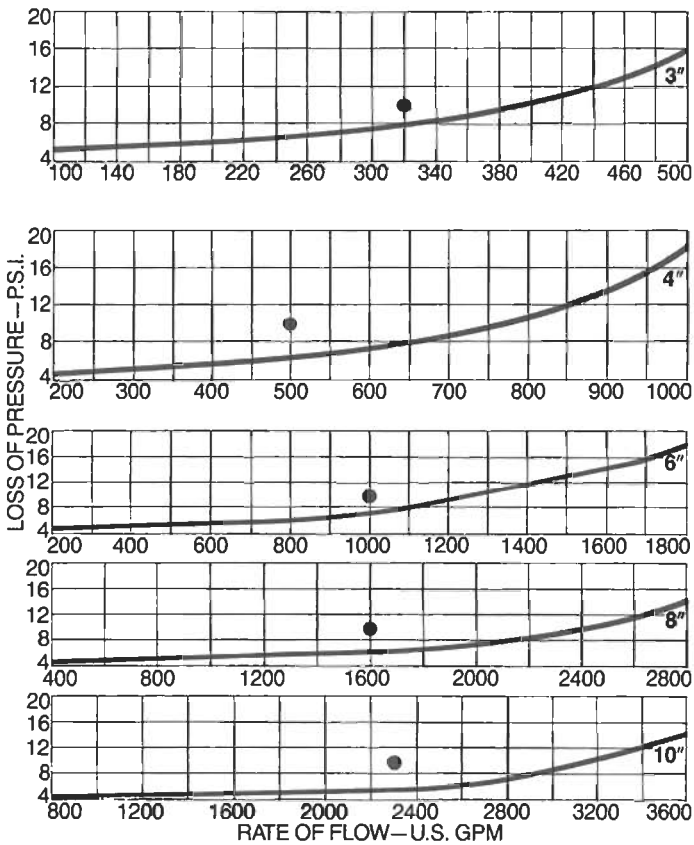


#### DIMENSIONS & WEIGHTS



DIMENSIONS	3"	4"	6"	8"	10"	
A	40 <sup>5</sup> / <sub>8</sub> "	47 <sup>1</sup> / <sub>2</sub> "	62"	75 <sup>1</sup> / <sub>2</sub> "	88"	
B	24 <sup>5</sup> / <sub>8</sub> "	29 <sup>1</sup> / <sub>2</sub> "	41"	52 <sup>1</sup> / <sub>2</sub> "	62"	
C	4"	4 <sup>1</sup> / <sub>16</sub> "	5 <sup>3</sup> / <sub>4</sub> "	7"	8 <sup>1</sup> / <sub>2</sub> "	
D (NRS)	13 <sup>5</sup> / <sub>8</sub> "	15 <sup>1</sup> / <sub>4</sub> "	19 <sup>7</sup> / <sub>8</sub> "	24 <sup>1</sup> / <sub>2</sub> "	29 <sup>3</sup> / <sub>4</sub> "	
D (OS + Y)	22 <sup>1</sup> / <sub>16</sub> "	25"	32 <sup>3</sup> / <sub>4</sub> "	41 <sup>1</sup> / <sub>2</sub> "	48 <sup>1</sup> / <sub>2</sub> "	
Max. Width	8 <sup>1</sup> / <sub>4</sub> "	9 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>8</sub> "	16 <sup>3</sup> / <sub>4</sub> "	20 <sup>3</sup> / <sub>8</sub> "	
Size of Test Cocks	1/2"	1/2"	3/4"	3/4"	3/4"	
WEIGHTS	3"	4"	6"	8"	10"	
Net Wt. No Valves, Lbs.	136	240	448	922	1715	
Net Wt. W/NRS Valves, Lbs.		250	430	786	2655	
Net Wt. W/OS + Y Valves, Lbs.		270	450	848	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

# FLOW CURVES

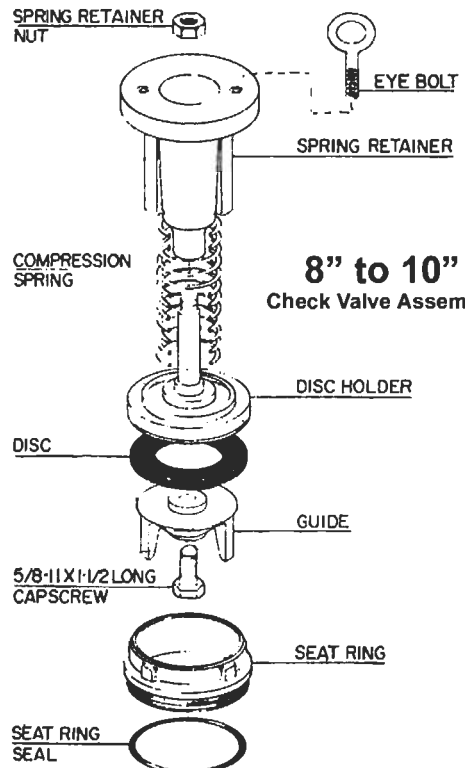
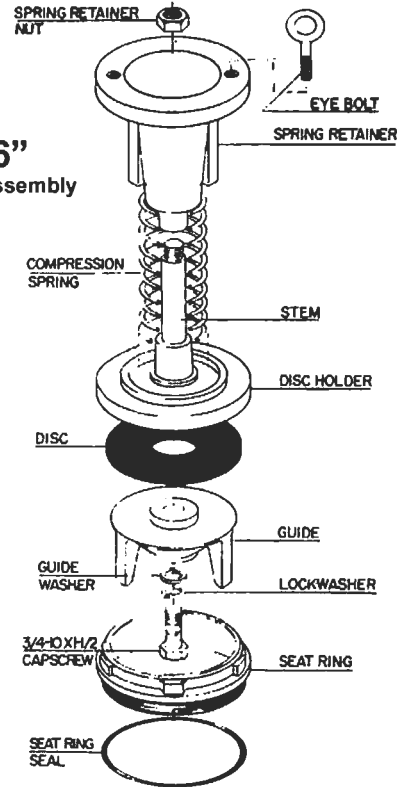


NOTE: ● Maximum Allowable Pressure Loss allowed by USC at indicated flow.

# MATERIALS & CHARACTERISTICS

Mainline case	Hot-dipped galvanized or epoxy-coated cast iron
Working parts	Bronz & stainless steel
Springs	Stainless steel
Valve discs	Silicone rubber
Max. rated pressure	175 PSI
Hydrostatic test pressure	350 PSI
Temperature range	33° to 140°F

**3" to 6"**  
Check Valve Assembly



**8" to 10"**  
Check Valve Assembly

## Rubber parts kits, see Model #1 Parts

## PARTS

DESCRIPTION	3" PART NO.	4" PART NO.	6" PART NO.
Cover Bolt	90129(8)	90168(14)	90292(16)
Cover Nut	90151(8)	90151(14)	90251(16)
Cover	63302	63402	63602
Cover Gasket	63304	63404	63604
Spring Retainer Nut	90260	90336	90336
Spring Retainer	63309	63409	63609
Spring	61388	62304	61485
Disc Holder	61832	61852	61892
Disc	62334	62335	63605
Guide	63311	63411	63611
Guide Cap Screw	90282	90282	90382
Seat	63306	63406	63606
O-Ring	98335	98336	98337
Complete Valve Assembly	63313	63413	63613

DESCRIPTION	8" PART NO.	10" PART NO.
Cover Bolt	90141(14)	90360(2)
Cover Bolt	90140(2)	90371(16)
Cover Nut	90358(14)	90372(16)
Cover	63802	63902
Cover Gasket	63804	63904
Spring Retainer Nut	90336	90373
Eyebolt	90198	90199
Spring Retainer	63809	63909
Spring	63808	63908
Stem	63852	62238
Disc Holder	61275	62235
Disc	63810	63910
Guide	61754	62236
Guide Washer	63820	63820
Lockwasher	90337	90337
Guide Cap Screw	90381	90381
Seat	63806	63906
O-Ring	98343	98340
Complete Valve Assembly	63813	63913

**MODEL 2**

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