



## Hersey<sup>®</sup> Meters

### Model FDC Double Check Valve Assembly (3/4", 1", 1-1/2", 2")

#### FEATURES

- Replaceable springs and seats.
- Smooth transition from low to high flow rates.
- Low head loss through operating range.
- Rugged construction for long dependable service.
- Hot water approved up to 210°F.
- Easy In-line maintenance.
- Test cocks for in-line field testing.
- Integral plumbers unions available to ease installation.

#### DESCRIPTION

The Model FDC double check valve backflow prevention assembly consists of two independent spring loaded poppet-type check valve assemblies mounted in a common body. Two isolation 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.

#### DIMENSIONS

SIZE	3/4"	1"	1 1/2"	2"
A - WO/Unions	14 1/4"	15 1/4"	20 1/4"	23 1/4"
A - W/Unions	15 3/4"	17 1/2"	—	—
B	8"	8"	11"	12 3/8"
C	7/8"	7/8"	1 1/4"	1 1/2"
D	4 1/16"	5"	6"	7 1/4"
Max. Width	5"	5"	6 5/8"	6 5/8"
Size Test Cocks	1/4"	1/4"	1/4"	1/4"
SIZE	3/4"	1"	1 1/2"	2"
Net Wt. WO/Valves, Lbs.	6	6	15	21
Net Wt. W/Valves, Lbs.	8	9	22	32
<b>With Plumbers Unions</b>	<b>9</b>	<b>10</b>	—	—
Gross Wt. WO/Valves, Lbs.	7	7	19	23
Gross Wt. w/Valves, Lbs.	9	10	26	38
<b>With Plumbers Unions</b>	<b>10</b>	<b>11</b>	—	—

#### APPLICATION

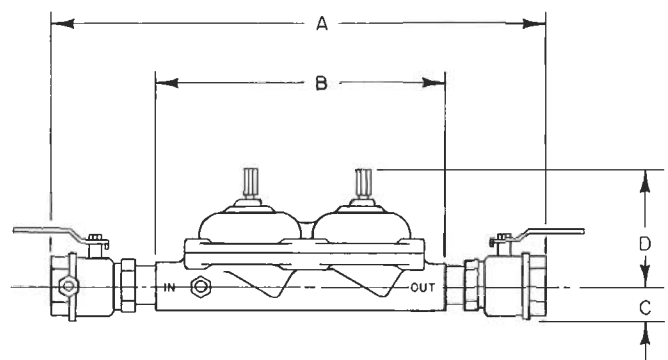
For use at cross-connections when the danger of backflow does not present a health-hazard. Model FDC may be installed in a horizontal or vertical position. Vertical installation is recommended only when the flow of water is upward.

#### APPROVALS

(3/4, 1-1/2, 2): USC, CSA B64.5, ASSE 1015, AWWA C510, IAPMO Listed, UL, ULC Classified.

#### 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.



Device shown without plumbers unions