

1000 DCV DETECTOR CHECK VALVE

For Fire Protection Systems



Featuring Ames-Guard™ Epoxy Coating · Rust-Resistant · Impervious to most chemicals

■ Description

The Ames 1000 DCV Detector Check Valve detects any leakage or unauthorized use of water from fire or automatic sprinkler systems. The valve also isolates water from the public water mainline.

■ Operation

During times of minimal water flow, the valve clapper remains closed so that the water flows through a bypass meter (optional). When fire flow is required, the water demand will open the clapper to allow full water flow.

■ Features

- *Fabricated steel body provides a much lighter weight unit than cast iron.*
- *Approved for mounting in horizontal or vertical positions.*
- *Prevents backflow from fire prevention systems.*
- *Used to isolate fire systems from public main during pumper boost of fire system.*

■ Construction

Ames 1000 DCV bodies are formed, welded units, in heavy steel to meet practically all operating needs. This valve has been hydrostatically tested in excess of 700 PSI. This type of construction eliminates any possibility of such defects as sand pits and blow holes which may occur in casting. All linkage parts are stainless steel. The removable clapper seat ring is bronze. Valves are rated at 175 PSI working pressure. Each valve is individually tested before shipping.

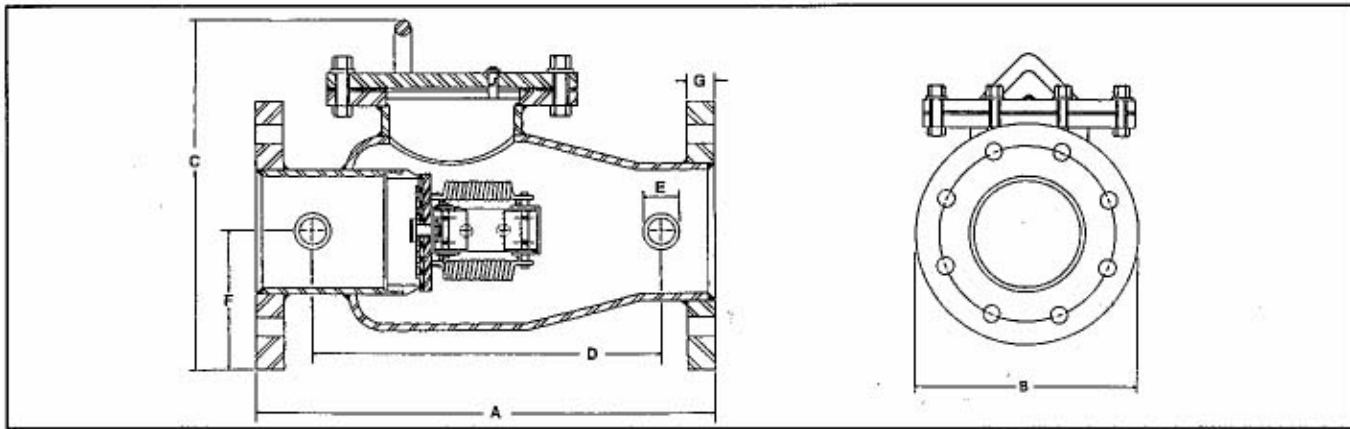
■ Coatings

Ames 1000 DCV Valves are fusion bonded Ames-Guard epoxy coated in accordance with AWWA C550.

■ National Approvals

UL, FM, ULC

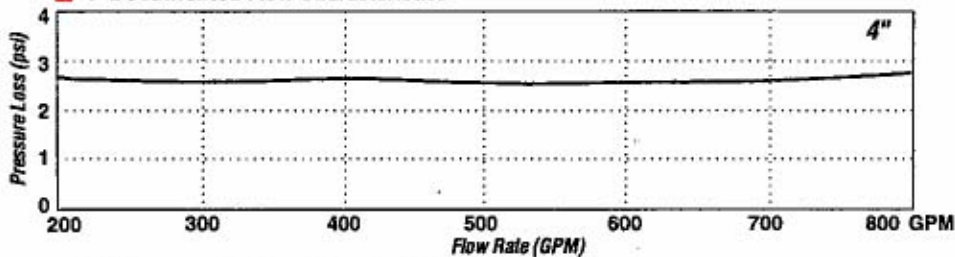
1000 DCV DETECTOR CHECK VALVE *For Fire Protection Systems*



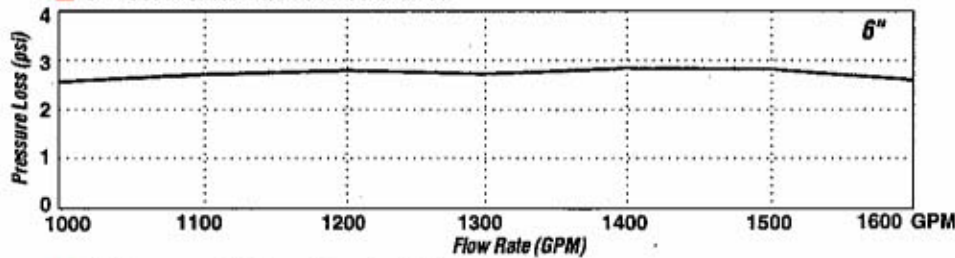
Ames 1000 DCV - Weights & Dimensions (Inches)

Size	Model Number	A	B	C	D	E	F	G	Approx. Net Wt.
4"	1000 DCV	16 1/2	9	12 1/2	12 1/8	1NPT	4 1/2	5/8	60 lbs.
6"	1000 DCV	22 1/2	11	15 1/8	17	1 1/2 NPT	5 1/2	11/16	96 lbs.
8"	1000 DCV	26 1/2	13 1/2	17 3/4	21	2 NPT	6 3/4	11/16	154 lbs.
10"	1000 DCV	36	16	21	28	2 NPT	8	11/16	179 lbs.

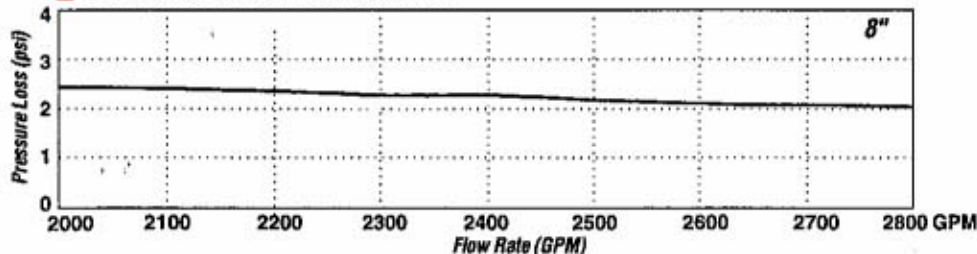
4" Documented Flow Characteristics



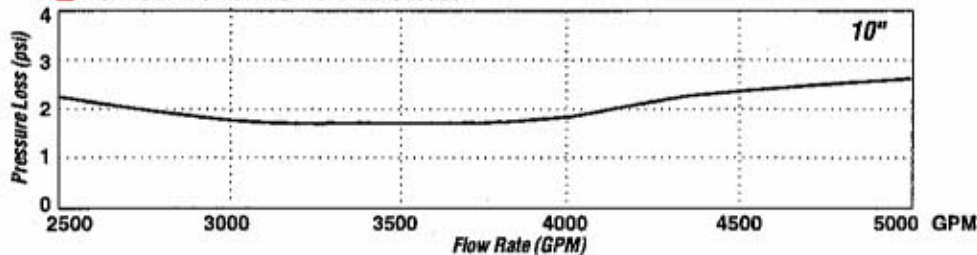
6" Documented Flow Characteristics



8" Documented Flow Characteristics



10" Documented Flow Characteristics



Other Specifications

- Rated working pressure 4", 6", 8", 10" (175 PSI).
- Flange dimensions and holes in accordance with ANSI B16.5 Class 125/AWWA C207 Class D.
- Body name plate provides nominal size, direction of flow, PSI rating and year of manufacture.

National Approvals



AMES CO.
FLUID CONTROL SYSTEMS