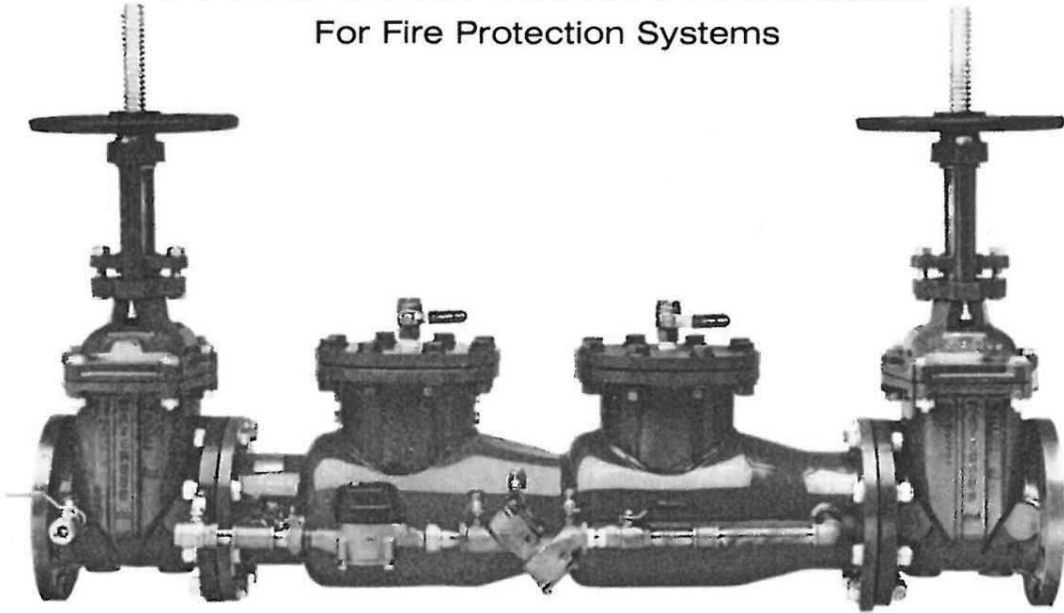


MODEL 3000 DCDA
DOUBLE CHECK DETECTOR ASSEMBLY
For Fire Protection Systems



■ **FEATURING** • NEW BODY DESIGN • NEW DIMENSIONS & WEIGHTS • NEW LOWER HEAD LOSS

■ **Description**

The Ames 3000 DCDA protects the potable water system by preventing backflow from fire protection systems. The device also detects leaks or unauthorized use of water from fire protection lines.

■ **Operation**

In the incidence of minimal water flow, the valve clapper remains closed so that the water flows through the bypass loop. When a major water flow is required, the water pressure will open the main valves to allow full water flow.

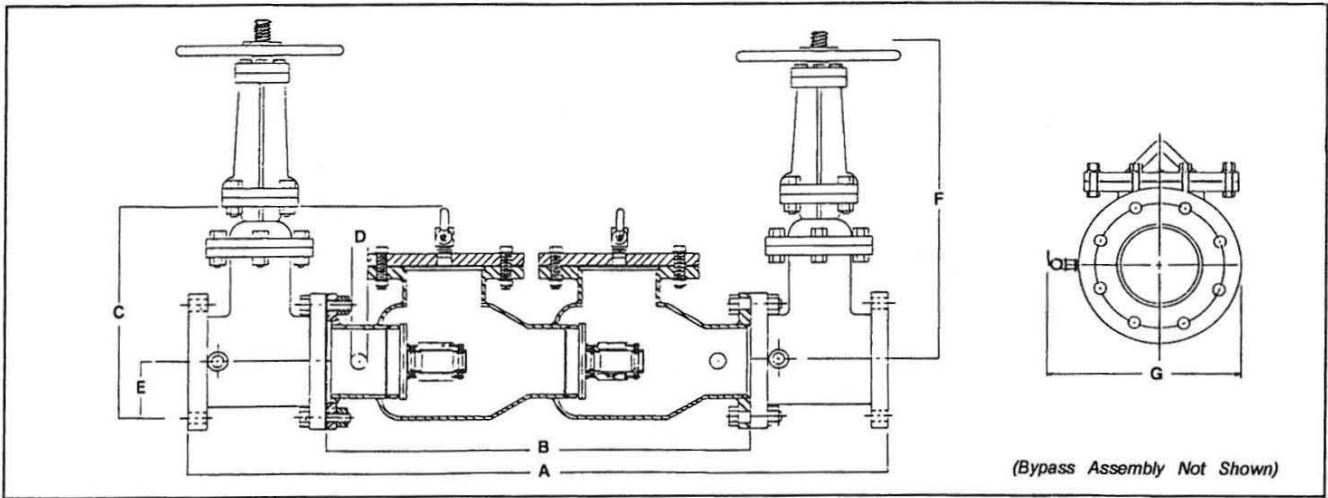
■ **Installation**

3000 DCDA Assemblies should be installed with a minimum clearance of 12" between assembly and floor or grade, and should be installed where there is easy accessibility for maintenance and testing.

■ **Features**

- Fabricated steel body provides a substantial lighter weight unit than cast or ductile iron.
- Available with hot dip zinc galvanized coating or fusion-bonded Ames Guard epoxy coating.
- Prevents backflow from fire prevention systems.
- OS&Y RW Gate valves are approved by UL & FM for fire protection systems.
- 300 Series stainless steel interior working parts reduce corrosion and provides longer valve life.
- Shortest end to end dimensions available in the industry.
- Low head loss.
- Fully servicable inline.
- Factory assembled and tested.

■ **National Approvals***



Ames 3000 DCDA — Weights & Dimensions (Inches)

Model	Size	A	B	C	D	E	F	G	NET WT with gates	NET WT w/o
3000 DCDA	4"	45 1/2	27 1/2	17 5/8	3/4 NPT	5	23 3/16	15	320 lbs.	120 lbs.
3000 DCDA	6"	58 7/8	37 7/8	20 1/8	3/4 NPT	6	29 3/16	17	480 lbs.	180 lbs.
3000 DCDA	8"	68 3/4	45 3/4	23 1/8	3/4 NPT	7 1/2	37 3/4	19 1/2	540 lbs.	275 lbs.
3000 DCDC*	10"	83 3/4	58 1/16	23 7/8	2 NPT	9 3/4	48	22	1120 lbs.	345 lbs.

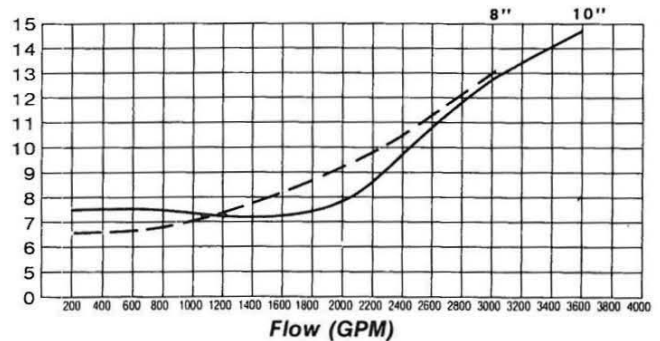
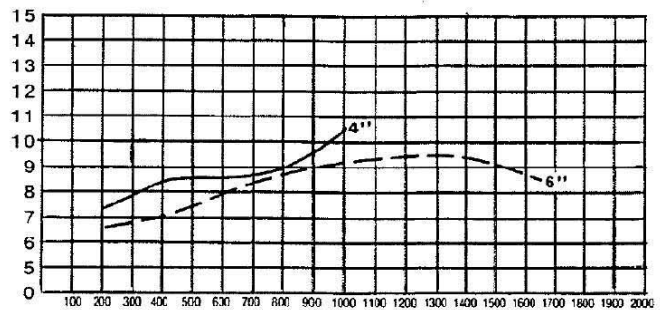
The Ames 3000 DCDA is designed to prevent backflow from fire protection lines into the municipal water system. The assembly consists of two independently operating, spring loaded check valves, two UL listed OS&Y gate valves, and a bypass assembly.

The bypass assembly consists of a meter which registers in either gallons or cubic measurements, a double check backflow preventer including shut-off valves and required testcocks.

The Ames 3000 DCDA is manufactured for ease of installation, dependability, durability, and in-line maintenance. The main body is built from heavy-duty steel with a galvanized or fusion bonded epoxy lining and coating. All internal parts are made from stainless steel to prevent corrosion and are easily replaceable for service or repair.

*SEE AMES MODEL DCDC LITERATURE A-4101

Flow Characteristics (Including Shut-off Valves)



Other Specifications

- Unit comes assembled with bypass which includes water meter and backflow prevention assembly. Testcocks are included.
- Rated working pressure 4", 6" 8", 10" (175 PSI)
- Flange dimensions and holes in accordance with AWWA Class D.
- All internal metal parts are 300 series stainless steel with exception of removable bronze seat ring ASTM B62-82.
- Body nameplate provides nominal size, direction of flow, PSI rating and year of manufacture.
- Body material ASTM A36.

*Contact factory for specific approvals.

