

# AMES

## 2000/ DCA

### SIZE

4", 6", 8", 10"

### DESCRIPTION

This is a double check assembly. Production on this model began approximately 1986. The 4" and 6" were discontinued in 1995. The eight inch was discontinued in 1998. The 10" was discontinued in 2002. The body is constructed of a welded fabricated steel that is available in either a galvanized or fused epoxy coating. It is a one piece body except on the 10" which has a split two piece body. Check springs are contained when the cover is removed. A special tool is needed to release the spring tension of the check mechanism once the cover is removed to disassemble the check. The internal hardware parts of the check mechanism are stainless steel with a bronze check seat. The check mechanism utilizes a vulcanized clapper plate instead of a rubber disc on the check mechanism. The check is a pivot action knuckle joint assembly. The 4"-8" sizes use a side mount check design which requires the retainer clip tool for proper repair. The 10" uses the tower mount design which requires the tong tool for proper repair. The check seats are replaceable. A seat removal tool is needed to replace them properly.

### BASIC REPAIR KIT

Repair kit contains all check clapper plates, cover gaskets, and mounting bolt washers.

### SPECIAL TOOLS

<u>SIZE</u>	<u>KIT NO</u>	<u>TONG TOOL</u>	<u>RETAINER CLIP</u>
4"	DCART400*	N/A	7013911
6"	DCART600*	N/A	7013912
8"	DCART800*	N/A	7013913
10"	DCART800*	7016090	N/A

### **IMPORTANT FEATURES**

- ~One piece fabricated steel body except 10"
- ~Body coatings can be galvanized or fused epoxy
- ~Check springs are contained when the covers are removed
- ~Special tools are suggested for proper repair
- ~Check seats are replaceable
- ~Factory repair information enclosed

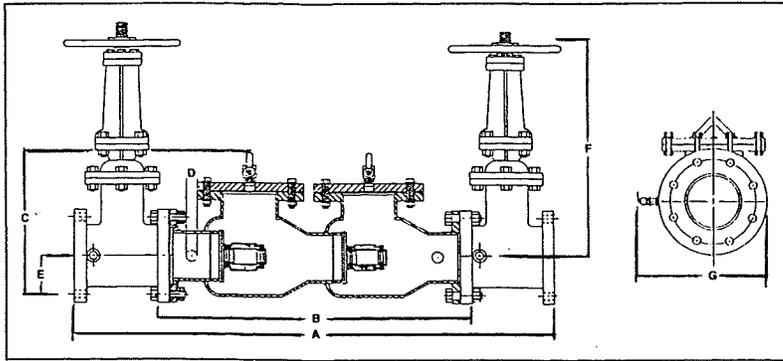
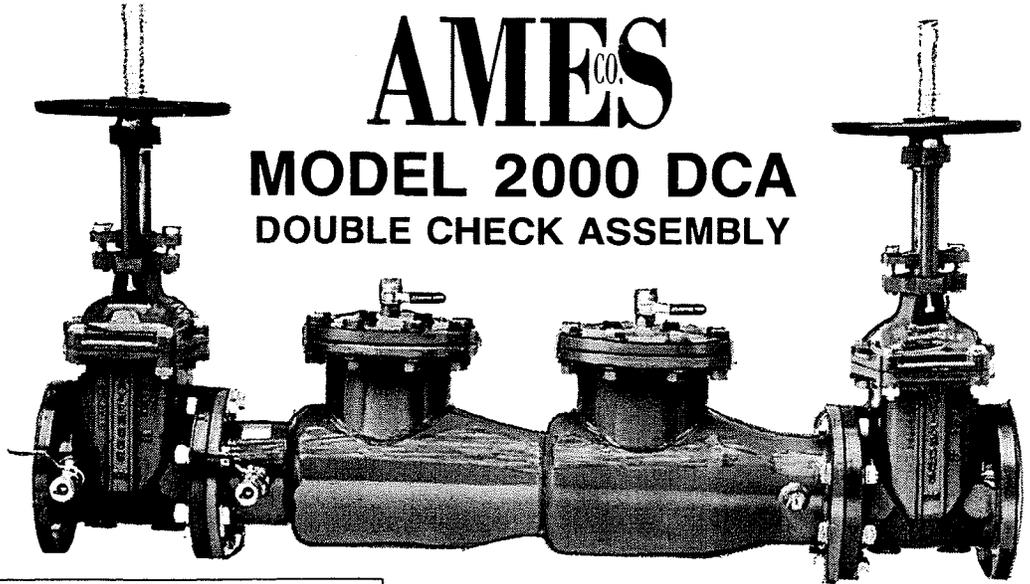


## ■ Features

- Fabricated steel body provides a substantial lighter weight unit than cast or ductile iron, reducing installation and handling costs.
- All 300 Series Stainless Steel interior working parts reduce corrosion and provide longer valve life.
- Shortest end to end dimensions available
- Removable bronze seat.
- Available with hot dip, zinc galvanized coating or fusion-bonded Ames-Guard epoxy coating.
- Unit comes fully assembled with required test cocks.
- Rated working pressure 4", 6" 8" (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 B82-82.
- Body nameplate provides nominal size, direction of flow, PSI rating and year of manufacture.
- Body Material ASTM A36.

# AMES<sup>CO.</sup>

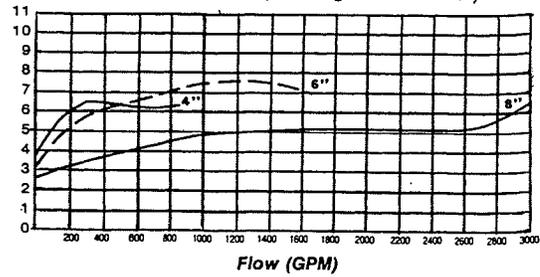
## MODEL 2000 DCA DOUBLE CHECK ASSEMBLY



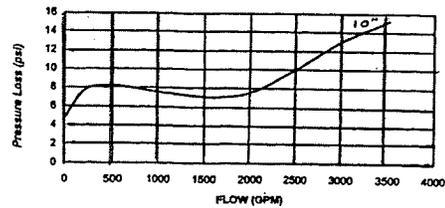
Ames 2000 DCA - Weights & Dimensions (Inches)

Model	Size	A	B	C	D	E	F	G	NET WT with gates	NET WT w/o gates
2000 DCA	4"	45 1/2	27 1/2	17 5/8	3/4 NPT	5	23 3/16	11	310 lbs.	110 lbs.
2000 DCA	6"	58 7/8	37 7/8	20 1/8	3/4 NPT	6	29 3/16	13	470 lbs.	170 lbs.
2000 DCA	8"	68 3/4	45 3/4	23 1/8	3/4 NPT	7 1/2	37 3/4	17 1/2	530 lbs.	260 lbs.
2000 DC	10"	83 3/4	57 3/4	23 7/8	2 NPT	9 3/4	48	18	1100 lbs.	325 lbs.

Flow Characteristics (Including Shut-off Valves)

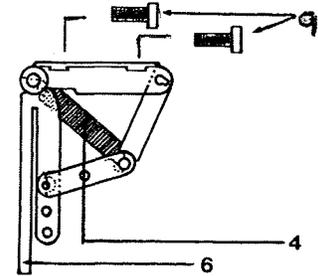
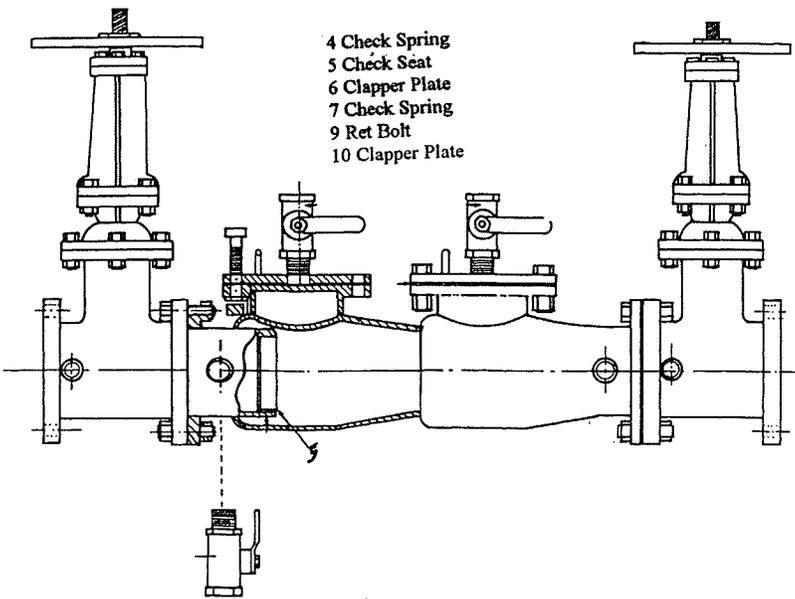


10" Documented Flow Characteristics

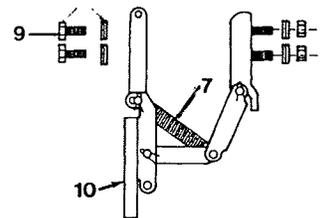


## PARTS 2000 DCA & 3000 DCDA

- 4 Check Spring
- 5 Check Seat
- 6 Clapper Plate
- 7 Check Spring
- 9 Ret Bolt
- 10 Clapper Plate



4-8"



10"