

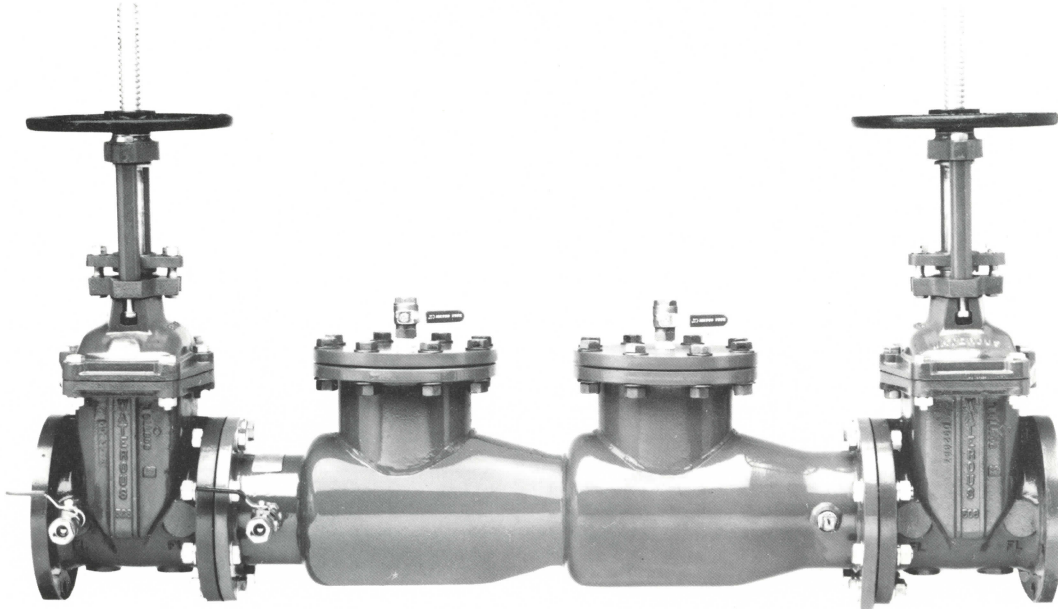
# AMES<sup>CO.</sup>

VALVES & BACKFLOW ASSEMBLIES

—FEATURING—  
• NEW BODY DESIGN  
• NEW DIMENSIONS & WEIGHTS  
• NEW LOWER HEAD LOSS

## MODEL 2000 DCA DOUBLE CHECK ASSEMBLY

For Potable Water Protection



### ■ Description

*The Ames 2000 DCA protects the potable water supply from contamination caused by a cross connection.*

### ■ Operation

*In normal flow conditions the independently operating check valves remain closed until there is a demand for water. Each of the check valves in series is designed to open at approximately (1) PSI pressure differential in the direction of flow. At cessation of flow or under a back pressure condition both checks will close until the resumption of normal flow.*

### ■ Installation

*2000 DCA 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.*

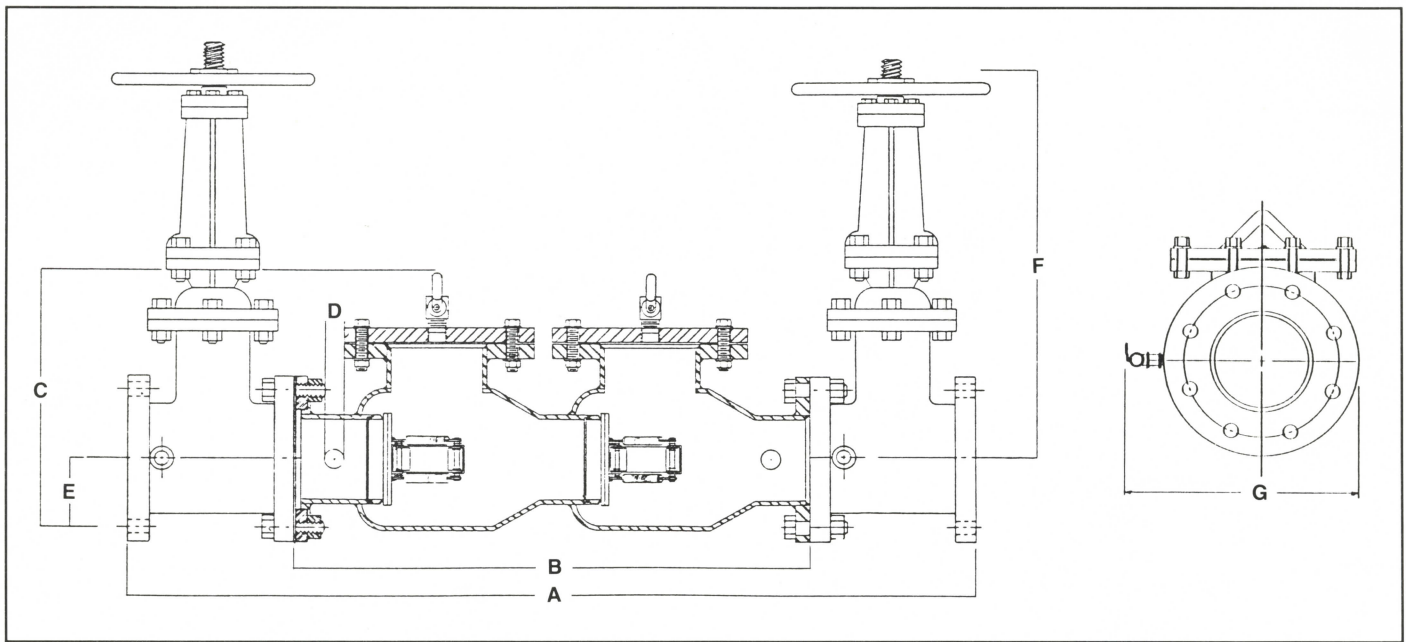
### ■ Features

- *Fabricated steel body provides a substantial lighter weight unit than cast or ductile iron, 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 in the industry.*
- *Removable bronze seat.*
- *Available with hot dip, zinc galvanized coating or fusion-bonded Ames-Guard epoxy coating.*
- *Prevents backflow or back siphonage to municipal water supply.*
- *Maximum flow at low head loss. Available with UL Listed, OS&Y RW or NRS RW gate valves.*
- *Factory assembled and tested.*
- *Easily repaired inline.*
- *Economical.*

### ■ National Approvals

- *UL, USCFCCCHR, ASSE, FM, IAPMO, AWWA C-506 CSA, ULC*

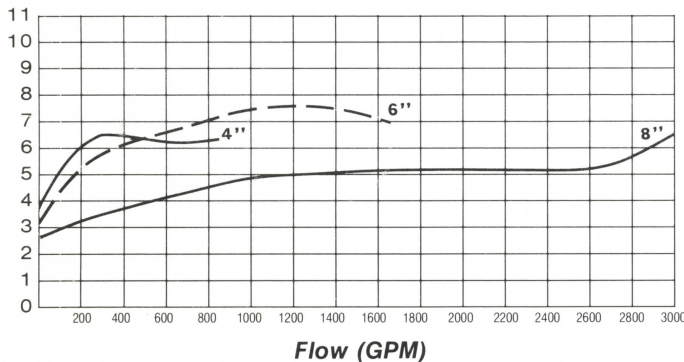
*The Ames Company founded in 1910 has long been an industry leader in producing fittings and valves for pipeline systems. All Ames products are manufactured at their 60,000 sq. ft. facility in Woodland, California, insuring quality control & prompt service.*



**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	780 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)**



Developed by USC Foundation for Cross Connection Control and Hydraulic Research

*The Ames 2000 DCA is designed to provide a positive drip-tight closure against the reverse flow of liquid caused by back siphonage or back pressure.*

*The Ames assembly consists of two independently operating springloaded check valves, required testcock and optional inlet and outlet shut-off valves.*

*Every Ames springloaded check valve is hydrostatically tested to twice the rated operating pressure for body strength and back pressure. All internal parts, linkage and clapper, are corrosion resistant stainless steel and are removable.*

*The lightweight design of the Ames 2000 DCA will reduce installation and shipping costs.*

\*SEE AMES MODEL DC LITERATURE A-6401

## Other Specifications

- 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 B62-82.
- Body nameplate provides nominal size, direction of flow, PSI rating and year of manufacture.
- Body Material ASTM A36.

NATIONAL APPROVALS—  
UL, USCFCCCHR,  
ASSE, FM, IAPMO,  
AWWA C-506, CSA, ULC

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