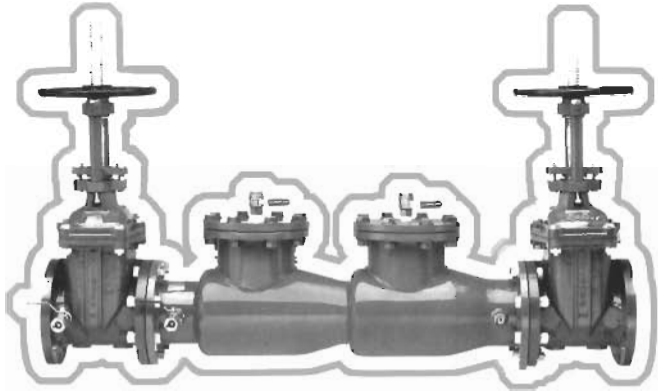




Model 2000 DCA (formerly DCA) Double Check Assembly 4" to 10"



DESCRIPTION

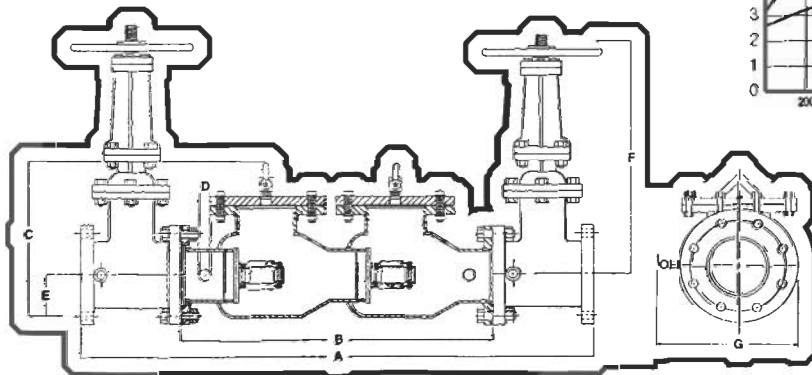
The Ames 2000 DCA protects the potable water supply from contamination caused by a cross connection.

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.

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.

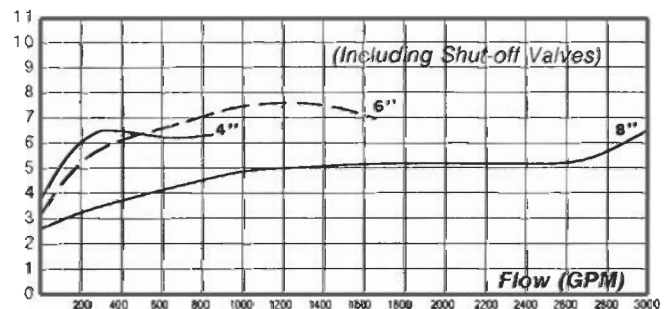
DIMENSIONS & WEIGHTS



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.

FLOW CURVES

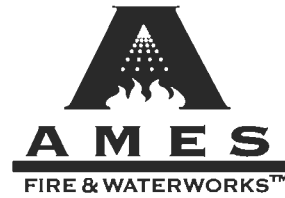
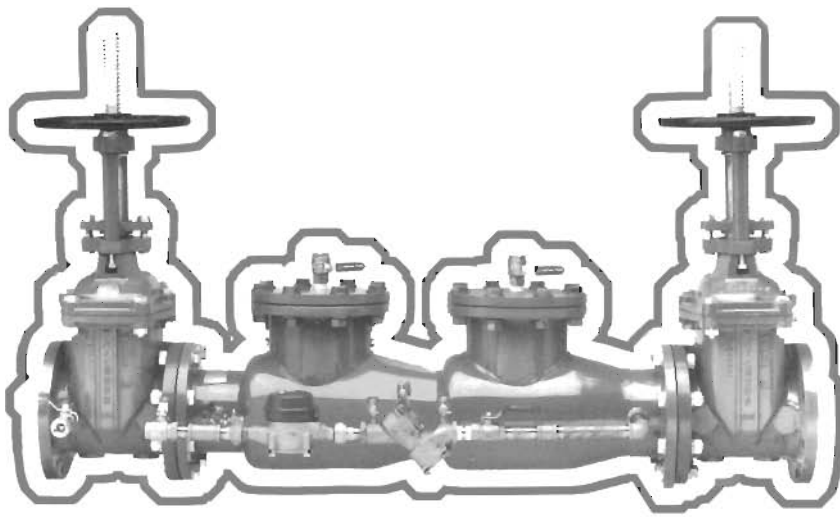


APPROVALS

ASSE; USC Approved as of 2003.

**Repair Parts for 2000 DCA
combined with 3000 DCA**

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.



Model 3000 DCDA Double Check Detector Assembly 4" to 10"

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.

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.

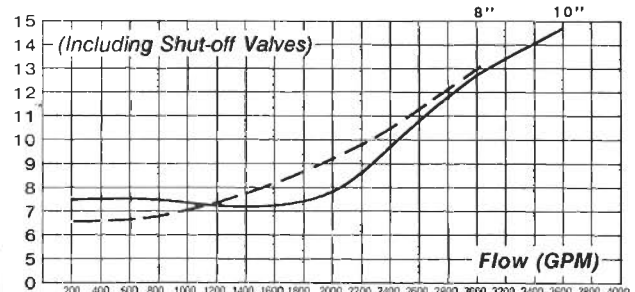
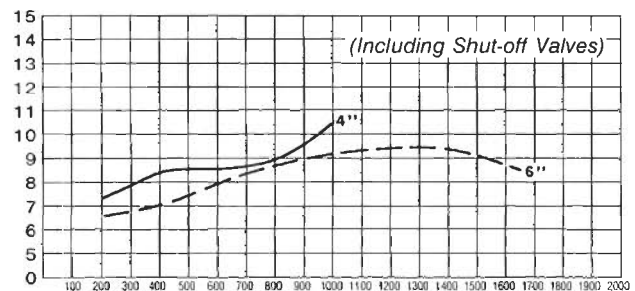
SPECIFICATIONS

- Unit comes assembled with bypass which includes water meter and backflow prevention assembly. Testcocks included.
- Rated working pressure 4", 6", 8", 10" (175 PSI)
- Flange dimensions 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.

FEATURES

- Fabricated steel body provides a substantial lighter weight unit than cast or ductile iron.
- Functional in horizontal or vertical positions.
- 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.

FLOW CURVES



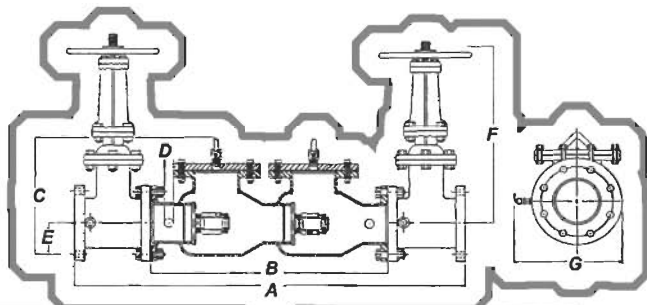
APPROVALS

- UL, USCFCCCHR, ASSE, FM, AWWA

(800) 66-BKFLO

(619) 527-2525

Fax: (619) 527-2527

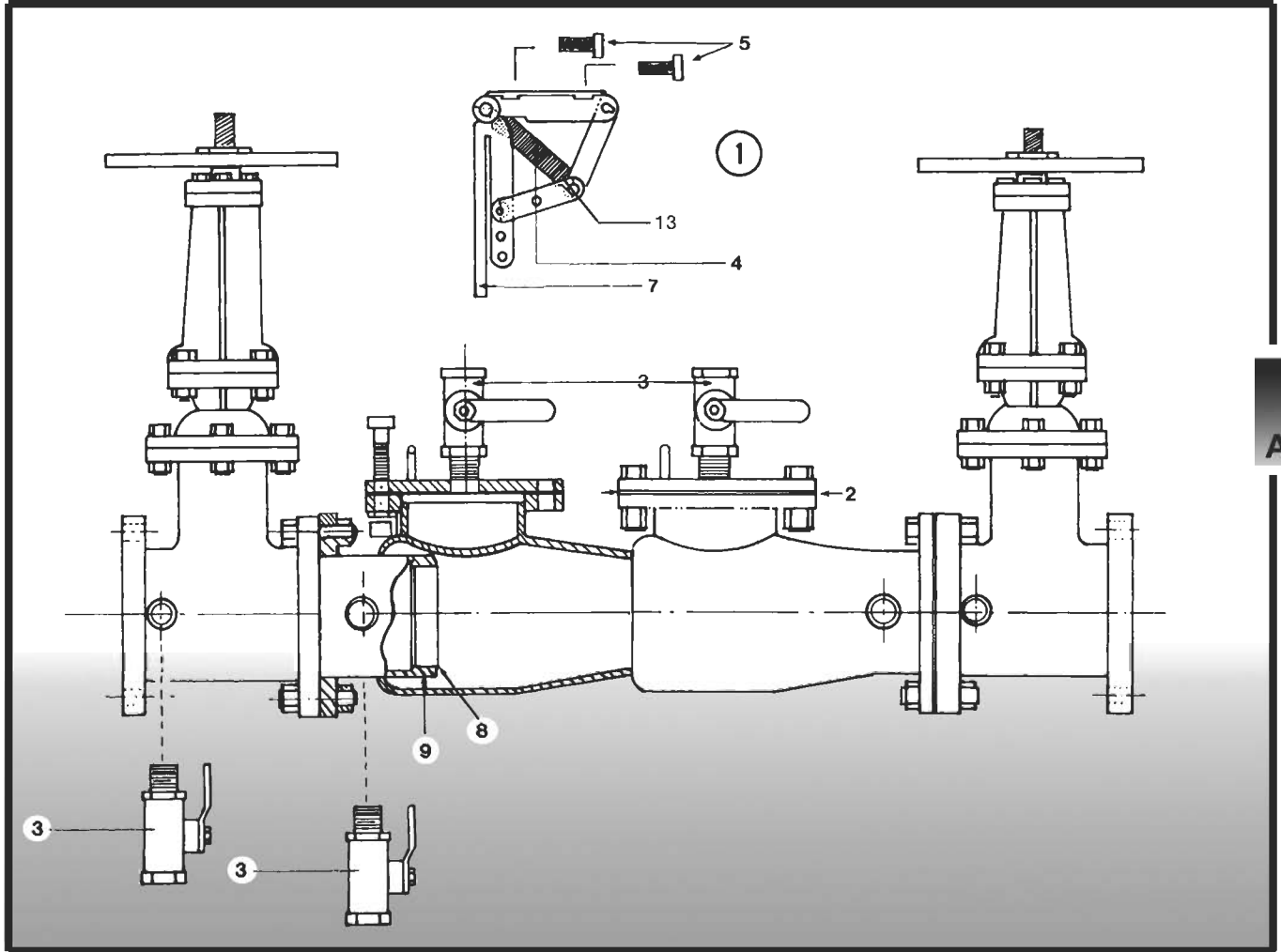


Model	Size	A	B	C	D		
3000 DCDA	4"	45 1/2	27 1/2	17 5/8	3/4 NPT		
3000 DCDA	6"	58 7/8	37 7/8	20 1/8	3/4 NPT		
3000 DCDA	8"	68 3/4	45 3/4	23 1/8	3/4 NPT		
3000 DCDC*	10"	83 3/4	57 1/4	23 7/8	3/4 NPT		
Model	Size	E	F Open	G	NET WT with gates	NET WT w/o	
3000 DCDA	4"	5	23 3/8	15	320 lbs.	120 lbs.	
3000 DCDA	6"	6	29 3/16	17	480 lbs.	180 lbs.	
3000 DCDA	8"	7 1/2	37 3/4	19 1/2	780 lbs.	275 lbs.	
3000 DCDC*	10"	9 1/4	48	22	1120 lbs.	345 lbs.	

American Backflow Specialties

www.americanbackflow.com

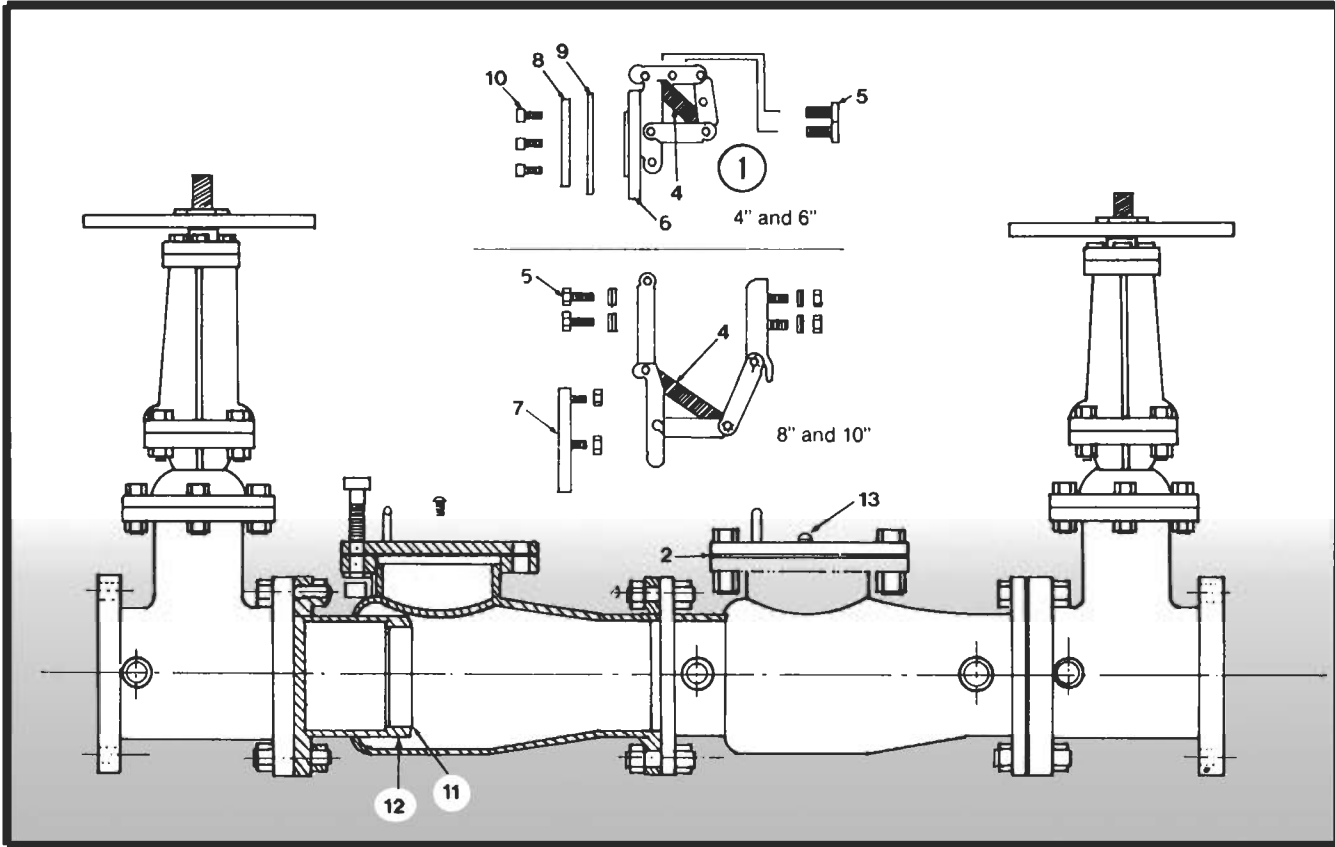
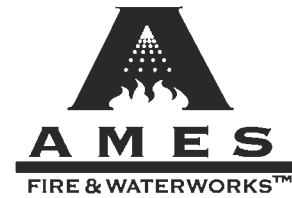
PARTS SERIES 2000 DCA & 3000 DCDA



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Ames

ITEM NO.	DESCRIPTION	QTY.	SIZE 4"	SIZE 6"	SIZE 8"	SIZE 10"
1	DCA Knuckle Joint Assembly	1	7011441	7011220	7011433	7011236
1a	DCDA Knuckle Joint Assembly (not shown)	1	7011442	7011426	7011257	7011236
2	Bonnet Gasket	1	7011199	7011124	7011125	7011125
3	Ball Valve	4	7014668	A000449	A000449	A000449
4	DCA Spring	2	7011322	7011128	7011323	7011319
4a	DCDA Spring (# of springs required)		7011320 2	7011128 (2) #2 ck (3) #1 ck	7011323 3	7011319 2
5	3/8" Stainless Steel Housing Bolts	2	7014619	7014619	7014619	7014619
6	Washer (rubber faced) (not shown)	2	7014585	7014585	7014585	7014585
7	Clapper Plate (rubber faced)	1	7011418	7011419	7011420	7011420
8	Bronze Seat Ring	1	7011160	7011162	7011163	7011163
9	Seat O-ring	1	7011161	A300704	A300706	A300706
10	Clapper Retainer Clip (not shown)	1	7013911	7013912	7013913	7013913
11	Tong Tool (not shown)	1	7016090	7016090	7016090	7016090
12	Seat Install and Removal Tool (not shown)	1	7013941	7013946	7013950	7013950
13	Linkage Retainer Clip	1	7011037	7011037	7011037	7011037

PARTS SERIES 2000 DC & 3000 DCDC (Old Style)



ITEM NO.	DESCRIPTION	QTY.	SIZE 4"	SIZE 6"	SIZE 8"	SIZE 10"
1	Knuckle Joint Assembly (1st & 2nd identical)	1	7011224	7011142	7011236	7011236
2	Bonnet Gasket	1	7011123	7011124	7011125	7011125
3	Ball Valve	4	A000449	A000449	A000449	A000449
4	Spring	2	7011320	7011128	7011319	7011319
5	3/8" Stainless Steel Housing Bolts	2	7014619	7014619	7014619	7014619
6	Washer (rubber faced)	2	7014585	7014585	7014585	7014585
7	Clapper Plate	1	7011228	7011229	7011420	7011420
8	Retainer Plate	1	7011226	7011145	—	—
9	Molded Rubber Clapper Insert	1	7011227	7011144	—	—
10	Clapper Keeper Bolts	3	A000483	A000483	—	—
11	Seat	1	7011160	7011162	7011163	7011163
12	Seat O-ring	1	7011161	A300704	A300706	A300706
13	Vent Screw	1	7011133	7011133	7011133	7011133
14	Tong Tool	1	7016090	7016090	7016090	7016090
15	Clapper Retainer Clip (not shown)	1	7013911	7013912	7013913	7013913
16	Seat Install and Removal Tool (not shown)	1	7013941	7013946	7013950	7013950
17	Linkage Retainer Clip	1	7011037	7011037	7011037	7011037