



Model 1000DCV Single Detector Check Valve 1-1/2" & 2"



Features

- Horizontal or vertical installation
- Replaceable bronze seats
- Cast iron body and cover
- Valve is shipped fully assembled with optional bypass line including shutoff valve, meter and single check valve
- Low head loss

Specifications

A Detector Check Valve shall be installed where indicated on the plans to detect any leakage or unauthorized use of water from fire or automatic sprinkler lines. The valve shall also prevent the reverse flow of non-potable water from entering the public mainline. Valve shall have a cast iron body and cover and replaceable bronze seats. The valves shall be an Ames Company Series 1000DCV.

Models

- FLG – Flanged end connections
- THD – Threaded end connections
- CFM – cubic feet per minute meter
- GPM – gallons per minute meter

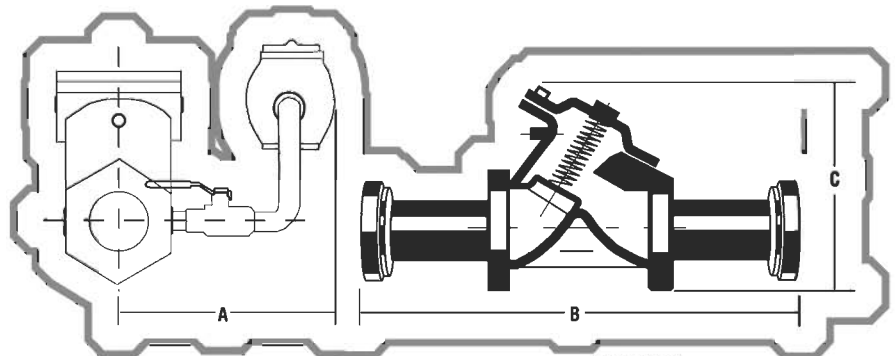
Dimensions & Weights

Pressure - Temperature

Maximum Working Pressure: 175psi (12 bars)

Temperature Range: 33°F – 110°F (5°C – 43°C)

Hydrostatic Test Range: 350psi (24 bars)

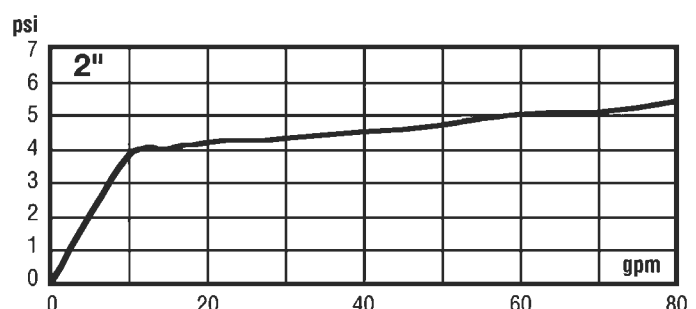
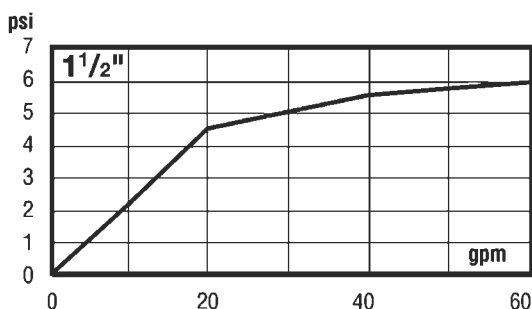


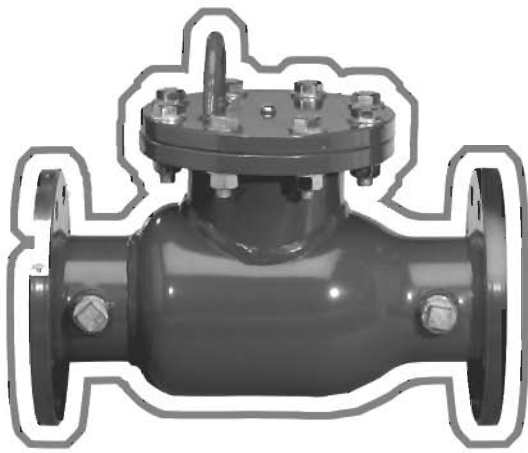
Materials

- Body: Cast iron
- Cover: Cast iron
- Seats: Replaceable bronze

Size	B			C	Weight	
	A	threaded	flanged		with bypass	less bypass
1 1/2	10	17	17	7 1/2	43	30
2	10	17	17	7 1/2	43	30

Flow Curves





Model 1000DCV Single Detector Check Valve 4" to 10"

FEATURES

- Fabricated steel body provides a much lighter weight unit than cast steel or ductile 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
- Ames-Guard™ epoxy coating is rust resistant and impervious to most chemicals

MODELS

with bypass specify suffix:

CFM – cubic feet per minute meter

GPM – gallons per minute meter

Standard units are less bypass

MATERIALS

Body: fabricated steel

Knuckle Joint Assembly: stainless steel linkage

PRESSURE - TEMPERATURE

Rated working pressure: 175psi

Temperature Range: 33°F – 110°F

APPROVALS

UL, FM, ULC

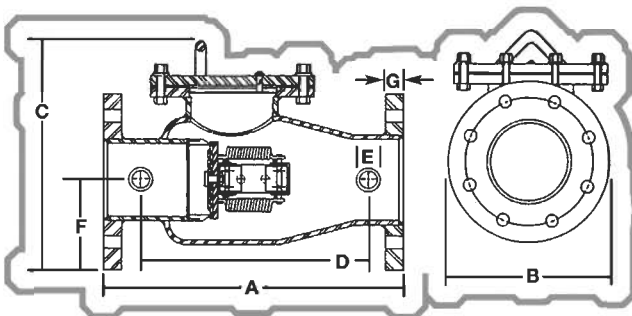
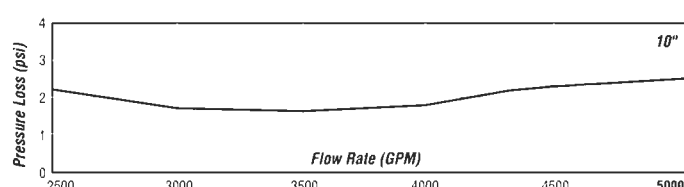
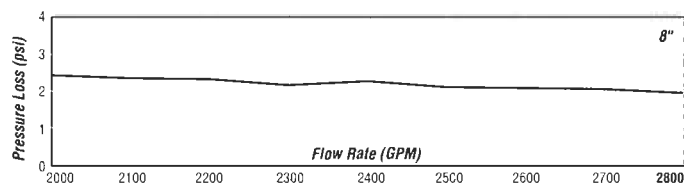
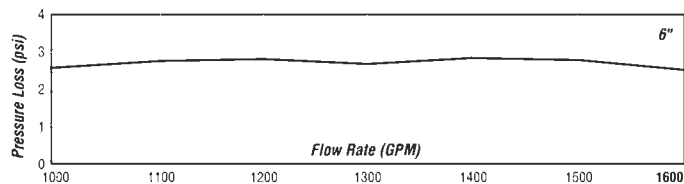
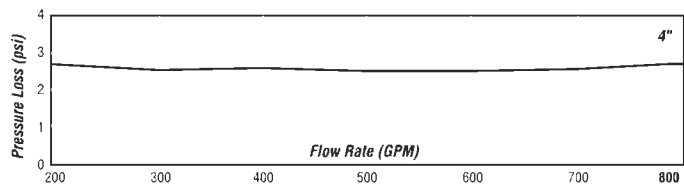
Flange bolt pattern and hole diameter in accordance with ANSI B16.5 Class 125/AWWA C207 Class D

Body nameplate provides nominal size, direction of flow, PSI rating, year of manufacture and approval marks

SPECIFICATIONS

A Detector Check Valve shall be installed on fire protection or automatic sprinkler systems when connected to the potable water supply. The valve body shall be formed, welded units, in heavy steel. The valve shall be hydrostatically tested in excess of 700psi (48 bars). Valve construction shall eliminate any possibility of defects such as sand pits and blow holes which may occur in casting. All linkage parts shall be stainless steel. The removable clapper seat ring should be bronze. Each valve shall be individually tested before shipping. Valves shall be fusion bonded epoxy coated in accordance with AWWA C550. Valve shall be Ames Company Series 1000DCV.

FLOW CURVES



Size	Dimensions							Approx. Net Wt.
	A	B	C	D	E	F	G	
4"	16½	9	12½	12½	1 NPT	4½	¾	60
6"	22½	11	15½	17	1½ NPT	5½	1¼	96
8"	26½	13½	17¾	21	2 NPT	6¾	1¼	154
10"	36	16	21	28	2 NPT	8	1¼	179

American Backflow Specialties

www.americanbackflow.com

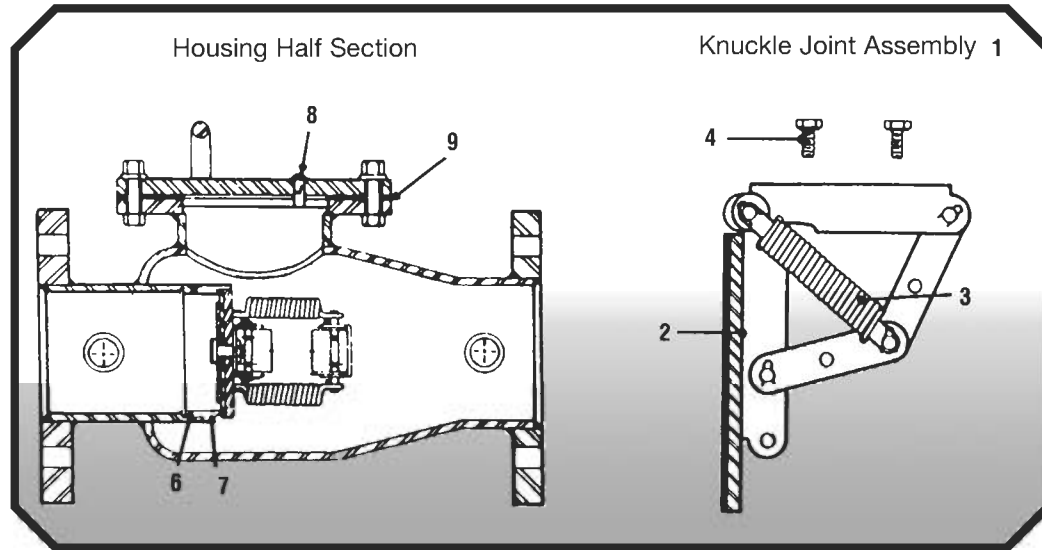
(800) 66-BKFLO

(619) 527-2525

Fax: (619) 527-2527

MODEL 1000DCV

REPAIR KITS for 4" to 10"



Item #	Description	Qty.	Ames Part Numbers			
			4"	6"	8"	10"
1.	Knuckle Joint Assembly (Complete Unit)	1	7015550	7015551	7015552	7015552
2.	Clapper Plate with Attached Link	1	7011411	7011412	7011413	7011413
3.	Spring		7011320	7011128	7011323	7011323
	4", 6" Knuckle Joint Assembly	2 Springs Req'd				
	8", 10" Knuckle Joint Assembly	3 Springs Req'd				
4.	3/8" Stainless Steel Bolts	2	7014619	7014619	7014619	7014619
5.	Washer (not shown)	2	7014585	7014585	7014585	7014585
6.	Bronze Seat (Replaceable in line)	1	7011160	7011162	7011163	7011163
7.	Seat O-ring	1	7011161	A300704	A300706	A300706
8.	Vent Screw	1	7011133	7011133	7011133	7011133
9.	Bonnet Gasket	1	7011123	7011124	7011125	7011125
10.	Clapper Retainer Clip (not shown)	1	7013911	7013912	7013913	7013913