

BACKFLOW PREVENTION CATALOG

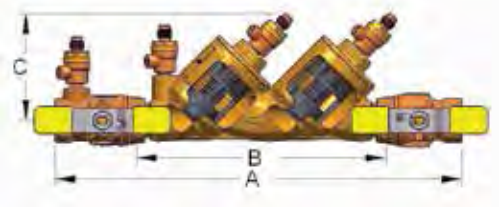


Double Check Valve Backflow Preventers

DC 4A SERIES



Sizes 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"



TOP ENTRY DOUBLE CHECK VALVE ASSEMBLY

The Apollo® MODEL DC 4A Double Check Valves are designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are objectionable, but non-health hazards. The modular check valve captured spring cartridges have replaceable seats and reversible silicone seat discs. Ball valve shut-offs with stainless steel handles and nuts are standard.

OPERATION

During normal flow conditions, the two check valves are held off their seats, supplying water downstream. Each check valve is designed to maintain a minimum of 1 psi across the valve during normal operation. Should the downstream pressure increase to within 1 psi of supply pressure, both check valves will close to prevent a backflow condition.

FEATURES

- Low pressure loss
- Captured spring cartridge check valves
- Compact yet easy to maintain
- Ball valve shut-offs w/ SS handles & nuts standard
- Top access for fast testing and maintenance
- Threaded testcock protectors
- Corrosion resistant
- No special tools required
- 5 year, domestic warranty
- **Lead-Free** option
- AWWA C510
- UL, ULC Classified (less shutoffs)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
- ASSE 1015
- IAPMO
- CSA
- Chloramine-resistant elastomers
- Patent pending
- Horizontal and vertical up approvals
- Maximum working pressure 175 psi
- Temperature range 33°F - 180°F
- Designed, manufactured, assembled and tested in South Carolina, USA

MATERIALS

Part	Material
Body , Caps	Bronze C84400/LF C89836
BV Shut-offs, Testcocks	Bronze C84400 or LF C87800
Check Valves	Glass-Filled PPO
Springs	300 Series Stainless Steel
Seat Discs	Chloramine-Resistant Silicone
O-rings	Chloramine-Resistant EPDM
Ball Valve Handles	Stainless Steel

FACTORY CODE

4A [X]	1 X	X	A X	X
	Y-strainer	SIZE	SHUT-OFF VALVES	OPTIONS (CAN BE COMBINED)
4A = Standard 4ALF = Lead Free	0 = Standard 1 = w/Y-strainer (shipped loose)	3 = 1/2" 4 = 3/4" 5 = 1" 6 = 1-1/4" 7 = 1-1/2" 8 = 2"	2 = w/ball valves (Standard) 4 = w/union ball valves (3/4" - 2")	F = SAE threaded test cocks (standard 1/2" 3/4", 1") LL = locking lever handles PR = Press P = Push (3/4" - 1")

Example:
4A 104 A4LL = 3/4" double check valve assembly with union ball valves with locking lever handles

DIMENSIONS

See Page 55 For Flow Curves

Model No. Factory No. Size	4A 103 A2F DC 4A 12 1/2"	4A 103 A2F DC 4A 12 15 mm.	4A 104 A2F DC 4A 34 3/4"	4A 104 A2F DC 4A 34 20 mm.	4A 105 A2 F DC 4A 1 1"	4A 105 A2 F DC 4A 1 25mm.	4A 106 A2 DC 4A 114 1-1/4"	4A 106 A2 DC 4A 114 32 mm.	4A 107 A2 DC 4A 112 1-1/2"	4A 107 A2 DC 4A 112 40 mm.	4A 108 A2 DC 4A 2 2"	4A 108 A2 DC 4A 2 50 mm.
A*	10-7/8	276	12-5/8	321	14-5/8	371	17-1/2	445	18	457	20-1/8	511
B	7-3/8	187	8-1/2	215	9-1/2	241	11-3/4	298	11-5/8	295	12-3/4	324
C	3-1/4	83	3-1/2	89	4	100	4-1/2	114	4-1/2	114	5	127
D	2-1/2	64	3	76	3-1/4	83	4-3/4	121	4-3/4	121	5-3/8	136
WEIGHTS	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.
Net Wt.	4.1	1.9	5.4	2.5	9.0	4.0	9.1	4.1	12.9	5.9	16.5	7.5

* For Union Ball Valve, Press, and Push connection dimensions, see submittal sheets.



For additional information, submittal sheets and manuals, visit www.apollovalves.com

Customer Service (704) 841-6000