

BACKFLOW PREVENTION CATALOG

Double Check Detector Backflow Preventers

DCDA 4SG SERIES



Sizes 2-1/2", 3", 4", 6", 8", 10"

DCDA 4SG SERIES DOUBLE CHECK DETECTOR ASSEMBLY

The Apollo® DCDA 4SG Series Double Check Detector Assembly is designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are non-health hazards. The device consists of a mainline double check valve with resilient seated shut-off valves. The by-pass serves to measure water use of up to 3 gpm. Grooved connections on an epoxy-coated ductile iron body allow for easy connection to butterfly valves or gate valves.

FEATURES

- Lightweight
- Short lay length
- Low pressure loss
- Modular check valves
- Individual access to check valves
- Reversible/replaceable seat discs
- Approved for vertical and horizontal installations
- **Lead-Free** option (2-1/2" - 6" only)
- Gate valves epoxy coated (FDA)
- Corrosion resistant FDA epoxy-coated ductile iron body
- UL Classified
- FM approved
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (2-1/2" - 10" Non Lead Free Only)
- ASSE 1048 (with meter)
- CSA
- US Patents #5,711,341 and #6,343,618

MATERIALS

Part	Material
Body (mainline)	Epoxy-coated (FDA) Ductile Iron
Bypass DC	Bronze (C84400, LF C89836)
Covers (2-1/2" - 6")	Epoxy-coated (FDA) Steel
Covers (8")	Epoxy-coated (FDA) Ductile Iron
Check Valves (2-1/2" - 6")	Glass-Filled PPO
Check Valves (8")	Bronze (C84400, LF C89836)
Springs	Stainless Steel
Seat Discs	Chloramine-Resistant EPDM
Test Cock Handles	Stainless Steel

FACTORY CODE

4SG [X]	60 X	X	[X]	X
	SIZE	METER OPTION	SHUT-OFF VALVES (Inlet x Outlet)	FLOW (OPTIONAL)
4SG = Standard	9 = 2-1/2"	C = Cubic feet/min	1 = Less Shut-off Valves (grooved-end body)	N = n Flow
4SGLF = Lead Free (2-1/2"-6" only)	0 = 3"	E = Gallons/min	3 = OS&Y Flg x OS&Y Flg	
4S = 10"	A = 4"	G = Less meter	4 = OS&Y Flg x Monitored Butterfly Valve Grv	
	C = 6"		6 = OS&Y Flg x Flg Post Indicator**	
	E = 8"		7 = OS&Y Flg x OS&Y Grv	
	G = 10"#		8 = OS&Y Grv x OS&Y Grv	
			9 = Mon. Butterfly Vlv Grv x Mon. Butterfly Vlv Grv	
			10 = OS&Y Flg x Grv Post Indicator**	

**Post indicator option not available in 2-1/2" size
10" body is flanged internal connections only (Model 4S)

Example:
4SG 60A E7 = 4" size Double Check Detector Assembly with meter in gpm and OS&Y flanged inlet x OS&Y grooved outlet shut-off valves