

DC-500 / DC-501



Backflow Preventer -Double Check Valve

Description

The Double Check Valve Series: DC-500, DC-501 are designed to supply maximum protection against backflow caused by back-siphonage or backpressure. Backflow may cause infiltration of chemicals, fertilizers and/or other pollutants into potable water systems.

The Double Check Valve is reliable and easily maintained, without the need for special tools. It is built with two independent, easily replaceable capsulated spring-loaded check valves.

Applications

- Chemical and fertilizer systems in landscape and irrigation.
- Swimming pools
- Small Business
- Private Homes
- According to local regulations

Main Features

- Sizes: 3/4", 1", 1 1/2", 2"
- Working Pressure: 150 psi.
- Working Temp Range: 33° to 110° F
- Made from composite materials: corrosion and scale resistant
- Internal control system ensures reliability and safety
- Easy and quick installation
- Economical to service; low-cost repair parts
- Lightweight
- UV resistant
- No lead
- Low Head-Loss
- Variety of installation options
- Long working life with easy maintenance

Authority Approval Standards


The ARI DC-500/501 is approved by the following Standards authorities:

USA : CSA, NSF61 (Drinking water), ASSE 1015, AWWA C511, Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California, Listed for Uniform Plumbing Code. Australia: AS4020 (Drinking water), Watermark AS2845.1. France: ACS. Canada: C.S.A.



DIMENSIONS AND WEIGHT

Model	Dimensions Inch			Weight Lbs.	Up stream valve	Downstream valve
	A	B	C			


DC-501 Shut-off Valves with Union Connection - reinforced nylon

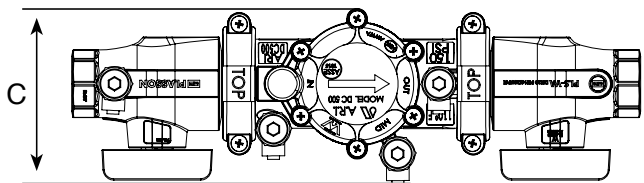
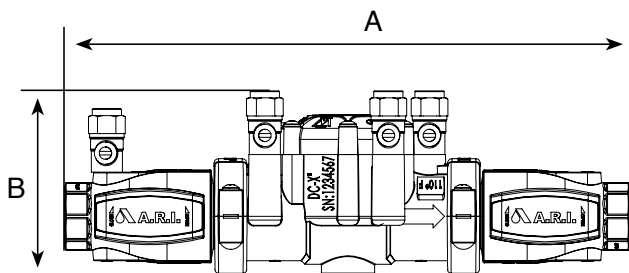
	3/4"	12.60	4.39	3.94	2.98		
	1"	14.17	4.39	3.94	2.92		
	1 1/4"	18.27	6.57	5.91	7.23		
	1 1/2"	20.47	6.57	5.91	8.71		
	2"	22.83	6.57	5.91	8.85		

DC-500 Shut-off Valves - reinforced nylon

	3/4"	14.02	4.39	3.94	2.95		
	1"	15.35	4.39	3.94	3.38		
	1 1/4"	19.69	6.57	5.91	7.69		
	1 1/2"	22.05	6.57	5.91	9.33		
	2"	23.62	6.57	5.91	9.71		

DC-500 Shut-off Valves - low-lead bronze

	1/2"	11.81	4.39	3.94	3.62		
	3/4"	12.40	4.39	3.94	3.62		
	1"	12.99	4.39	3.94	4.49		
	1 1/4"	18.50	6.57	5.91	6.72		
	1 1/2"	19.02	6.57	5.91	7.83		
	2"	20.28	6.57	5.91	10.30		



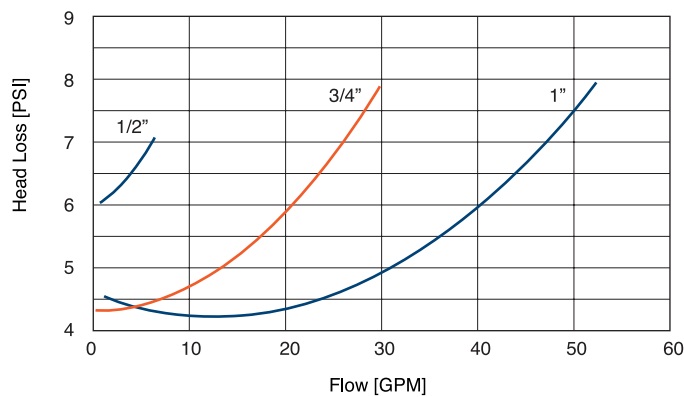
RP-501 PARTS LIST AND SPECIFICATION

No. Part

1. Cover Assembly
2. Inlet Check Valve Assembly #1
3. Retainer
4. Outlet Check Valve Assembly #2
5. Seal
6. Inlet Shut-Off Valve
7. Clamp Assembly
8. Body Assembly
9. Outlet Shut-Off Valve
10. Test Cocks



HEAD LOSS



HEAD LOSS

