

A.R.I. DC-501



Irrigation

Backflow Preventer - Double Check Valve

Description

A.R.I. DC-500 and DC-501, are Double Check Valves designed to provide 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. Comprised of two independent, easily replaceable, capsulated spring-loaded check valves.

Installation

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

Features and Benefits

Easily replaceable modular parts	Simple, quick and inexpensive maintenance, low-cost repair parts
Construction materials	UV resistant, non-corrosive, scale resistant and durable
Lightweight and compact	Easy and quick installation, fits in confined spaces
 NSF/ANSI 61 Certified & Listed NSF/ANSI 372 Certified & listed	for Drinking Water System Component
	for Lead-Free product
Product Standards	ASSE 1015, AWWA C511, Watermark
USC - Authorized and Approved	USC - FCCHR: Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

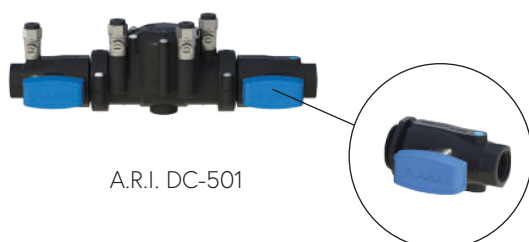
Technical Specifications

Size range	½", ¾", 1", 1 ¼", 1 ½", 2"
Working pressure range	150 psi
Testing pressure	1.5 times maximum working pressure
Temperature	Working temperature range : 33° F - 120° F Max intermittent temperature: 140° F

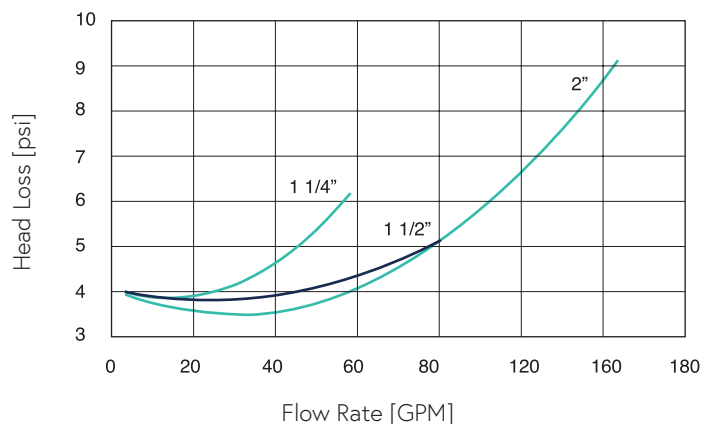
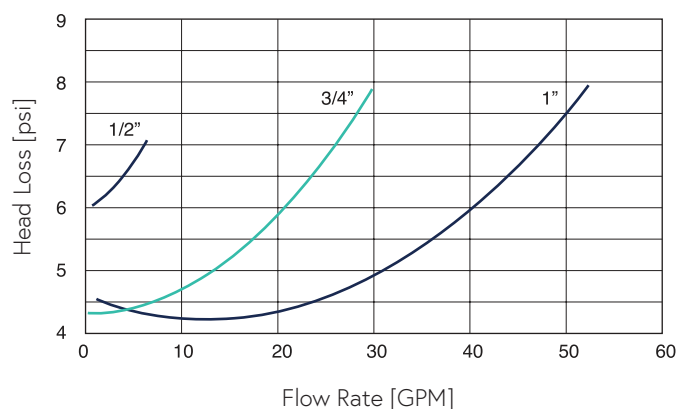
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

Valve Selection Options

Models	A.R.I. DC-500 Shut-off valves + connector A.R.I. DC-501 Shut-off valves with union connection
Valve connection	Threaded NPT - ANSI B1.20.1



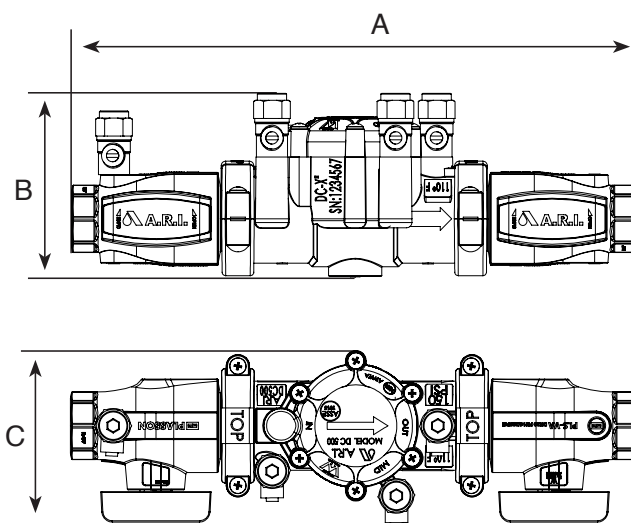
Head Loss



Dimensions and Weight

Size	Dimensions (Inch)			Weight
	A	B	C	Lbs.
A.R.I. DC-501				
1/2"	12.60	4.39	3.94	2.98
3/4"	12.60	4.39	3.94	2.96
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

A.R.I. DC-500				
1/2"	14.02	4.39	3.94	2.95
3/4"	14.02	4.39	3.94	2.93
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



Parts List and Specifications

No.	Part	Material
1	Cover Assembly	
1a	Bolts	Stainless Steel 304
1b	Cover	Reinforced nylon
2	Check Valve Assembly	
2a	Inlet Check Valve	Acetal +Stainless Steel 302+EPDM
2b	Retainer	Acetal
2c	Outlet Check Valve	Acetal +Stainless Steel 302+EPDM
3	Body Assembly	
3a	Body	Reinforced nylon
3b	Test Cocks	Lead free Brass
3c	Band	Reinforced nylon
4	Ball Valve Assembly	
4a	Inlet Ball Valve + Test Cock	Reinforced nylon+ Lead free Brass
4b	Outlet Ball Valve	Reinforced nylon

