△ A.R.I. DC-500





Backflow Preventer - Double Check Valve

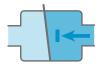
Description

A.R.I. DC-500 is a Double Check Valve 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 landscaping and irrigation
- Swimming pools
- Small businesses
- Private homes
- According to local regulations

Operation





Non-return 1

Non-return 2





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		Quick and easy installation, fits in confined spaces	
NSE	NSF/ANSI 61 Certified & Listed	For drinking water system component	
	NSF/ANSI 372 Certified & listed	Conforms with lead content requirements for "lead-free" plumbing	
Product standards		ASSE 1015, AWWA C510, 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	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	
Working pressure range	10 bar	
Testing pressure	1.5 times maximum working pressure	
Temperature	Working temperature range: 0.5° to 45° C Max intermittent temperature: 45° C	
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid		

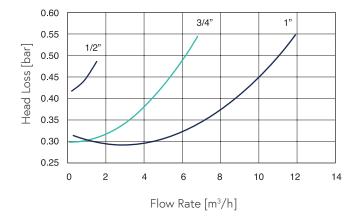
Valve Selection Options

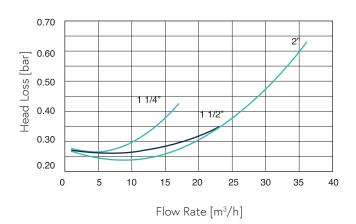
Valve connection Threaded BSPT/ NPT	
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Head Loss

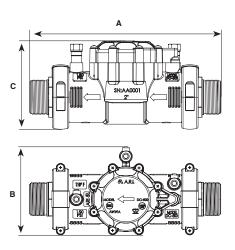




Dimensions and Weight

Size	Dimensions (mm)			Weight
	А	В	С	(kg)
1/2" 3/4" 1"	197	100	99	0.74
11/4" 11/2" 2"	332	151	157	2.4

NOTE Dimensions and weight do not include shut-off valves and will vary, depending upon the valve type installed.



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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
3с	Band	Reinforced Nylon

