

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 |

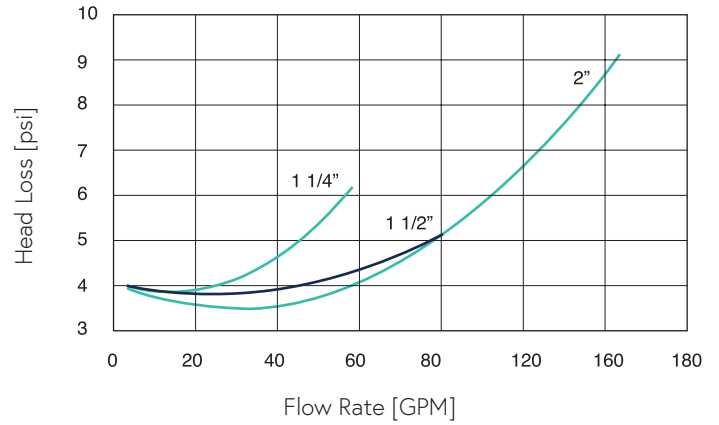
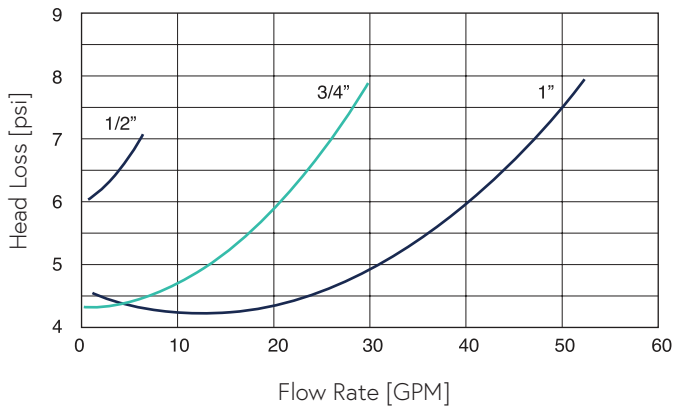
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

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 |



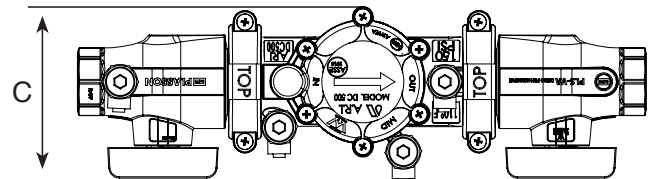
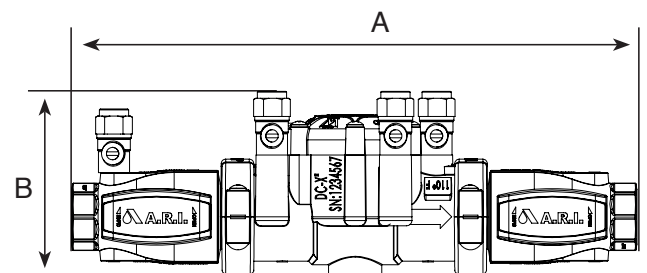
Head Loss



Dimensions and Weight

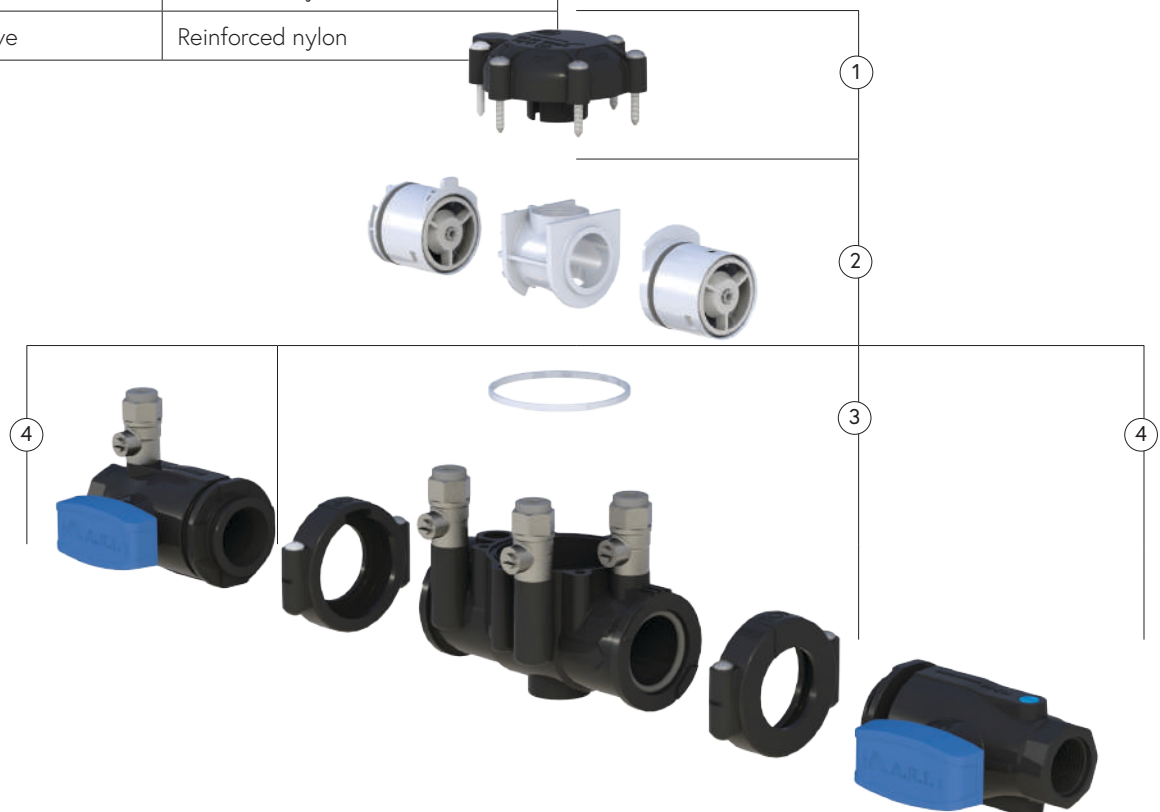
| Size | Dimensions (Inch) | | | Weight Lbs. |
|----------------------|-------------------|------|------|----------------|
| | A | B | C | |
| A.R.I. DC-501 | | | | |
| 1/2" | 12.60 | 4.39 | 3.94 | 2.98 |
| 3/4" | 12.60 | 4.39 | 3.94 | 2.96 |
| 1" | 14.17 | 4.39 | 3.94 | 2.92 |
| 1 1/4" | 18.27 | 6.57 | 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 |



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