

A.R.I. RP-500

Aquestia
Directing the Flow



Waterworks

Backflow Preventer

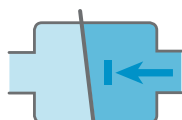
Description

A.R.I. RP-500, A.R.I. RP-501, are Backflow Preventer 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. An internal 'reduced pressure' zone, located between the check valves, ensures optimal protection and reliable performance of the pressure-relief valve.

Installation


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

Operation



Non-return

Features and Benefits

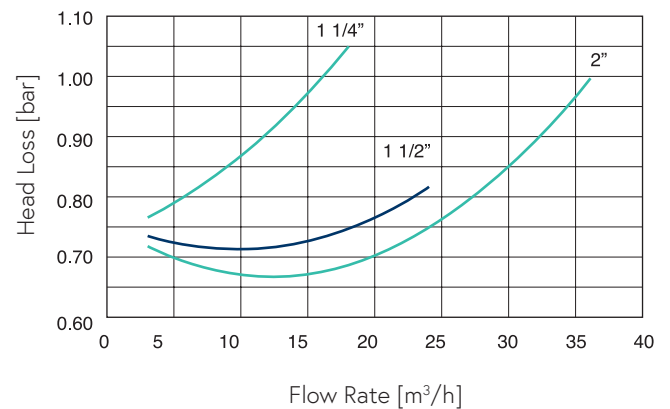
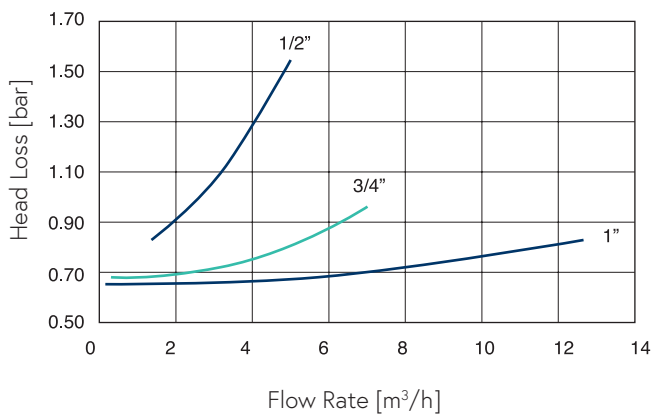
Easily replaceable modular parts	Simple, quick and inexpensive maintenance, low-cost repair parts
Construction materials	UV resistant, non-corrosive, scale resistant and durable
Lightweight and compact	Easy and quick installation, fits in confined spaces
 NSF/ANSI 61 Certified & Listed NSF/ANSI 372 Certified & listed	for Drinking Water System Component
	for Lead-Free product
Product Standards	ASSE 1013, 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	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°- 45° C Max intermittent temperature: 60° C

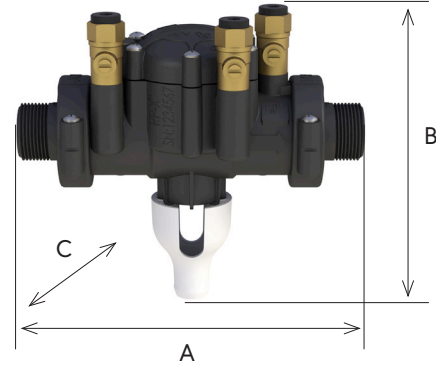
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

Head Loss



Dimensions and Weight

Size	Dimensions (mm)			Weight (kg)
	A	B	C	
1/2" 3/4" 1"	197	167	99	0.82
1 1/4" 1 1/2" 2"	332	229	157	2.58



Parts List and Specifications

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

