

RP-500 / RP-501



Backflow Preventer

Description

The Backflow Preventer Series: RP-500, RP-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 Backflow Preventer is reliable and easily maintained, without the need for special tools.

It is built with two independent, easily replaceable capsulated spring-loaded check valves. A revolutionary, internal Reduced Pressure Zone, located between the check valves, ensures protection and reliable performance of the relief valve.

Applications

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

Main Features

- Sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
- Working Pressure: 150 psi
- Temp: 33° to 110° F.
- Easily replaceable modular parts
- 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 RP-500 is approved by the following Standards authorities: ASSE 1013, AWWA C510, NSF61, Watermark (Australia), AS2845.1(Australia), (Australia)AS4020, Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California – FCCCHR




DIMENSIONS AND WEIGHT

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

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

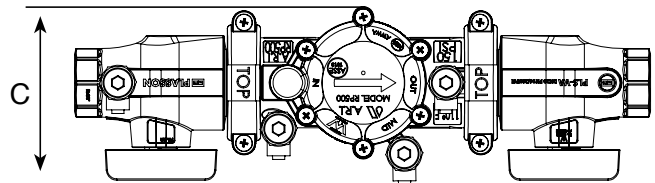
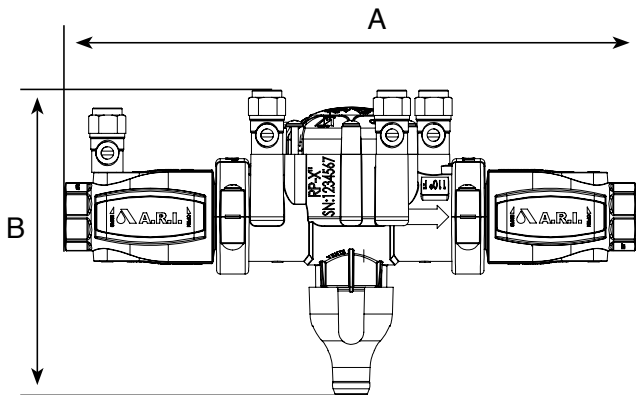
	3/4"	12.60	6.69	3.94	3.06		
	1"	14.17	6.69	3.94	3.11		
	1 1/4"	18.27	9.57	5.91	7.61		
	1 1/2"	20.47	9.57	5.91	8.93		
	2"	22.83	9.57	5.91	9.04		

RP-500 Shut-off Valves - reinforced nylon

	3/4"	14.02	6.69	3.94	3.04		
	1"	15.35	6.69	3.94	3.57		
	1 1/4"	19.69	9.57	5.91	7.94		
	1 1/2"	22.05	9.57	5.91	9.48		
	2"	23.62	9.57	5.91	9.90		

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

	1/2"	11.81	6.69	3.94	3.73		
	3/4"	12.40	6.69	3.94	3.73		
	1"	12.99	6.69	3.94	4.60		
	1 1/4"	18.50	9.57	5.91	9.44		
	1 1/2"	19.02	9.57	5.91	10.54		
	2"	20.28	9.57	5.91	13.01		



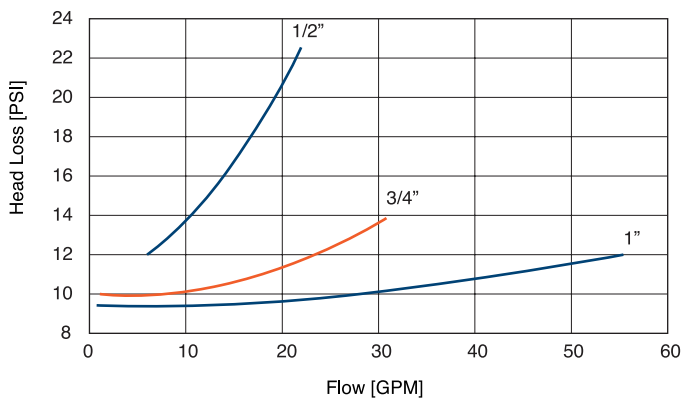
RP-501 PARTS LIST AND SPECIFICATION

No. Part

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



HEAD LOSS



HEAD LOSS

