

# BACKFLOW PREVENTERS RP-40 SERIES

## Reduced Pressure Backflow Preventers RP-40 Series

### Reduced Pressure Principle

The Apollo Series RP-40 Reduced Pressure Principle Backflow Preventer is designed to give maximum protection against backflow caused by either back-pressure or back-siphonage. The durable, but economical, device is easily maintained in the line without any special tools. It consists of two independently acting spring-loaded check poppet valves with an automatic differential relief valve located between the check valves. Three of the testcocks are mounted at the top to assure easy access during repair and maintenance when unit is installed in tight places. (#2 test-cock mounted on relief valve cover for tight installations.)



Sizes 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

MATERIALS	
Body and covers	Bronze
Springs	Stainless Steel
Poppets	Glass-Filled Celcon®
Seat Discs	Silicone Rubber
Diaphragm	Nitrile and Nylon
R.V. Stem	PPO
Fasteners	Stainless Steel
Replaceable Seats	Glass-Filled PPO
Ball Valve Handles	Stainless Steel

Contact local water authorities for installation/service requirements.

See Backflow Catalog for dimensions and flow curves

### FEATURES

- Maximum protection against back-pressure/back-siphonage
- Reversible/removable silicone seat discs
- Internal sensing passage
- Designed for easy maintenance
- Low head loss
- Economical
- Corrosion resistant
- Lead-Free<sup>1</sup> option
- Replaceable seat rings
- Comes standard with Apollo full port ball valves with stainless steel handles
- Maximum working pressure 175 psi
- Temperature range 33°F - 180°F
- Replaceable seats
- Designed, manufactured, assembled and tested in South Carolina, USA
- 5 year, domestic warranty

40[X] - 2 X X - T X X

	Y-Strainer	Size	Shut-Off Valves	Options (can be combined)
40 - Standard	0- Standard	1-1/4"	1- less ball valves (UL Classified)	F- SAE threaded test cocks
40LF - Lead Free <sup>1</sup>	1- w/Y-strainer (1-1/4"-2" shipped loose)	2-3/8"	2- w/ball valves (Standard)	L - lever handle (3/4" & 1" only)
		3-1/2"	4- w/union ball valves	LL-locking lever handles (1-1/4", 1-1/2", 2")
		4-3/4"		
		5-1"		
		6-1-1/4"		
		7-1-1/2"		
		8-2"		

**Example:**  
40-218-14LL = 2" Reduced Pressure Backflow Preventer with strainer, union ball valves and locking lever handles