

# BACKFLOW PREVENTERS RP-40 SERIES

## Reduced Pressure Backflow Preventers RP-40 Series

### Reduced Pressure Principle

The Apollo Series RP-40 Reduced Pressure Backflow Preventer consists of two independently acting, spring-loaded center stem guided check valves with a differential pressure relief valve located between the check valves. The all bronze relief valve module is easily removed from the ductile iron check valve body. Pressure sensing passages are built into the bronze relief valve module to prevent possible damage from mishandling or vandalism. The unit is available with inlet and outlet shutoff valves. Four test cocks, three on the backflow preventer valve body and one on the inlet shutoff valve, complete the assembly.



Sizes 2-1/2", 3", 4", 6", 8", 10"

### MATERIALS

Body and covers	Epoxy Coated (FDA Approved) Ductile Iron
Springs	Stainless Steel
Seats	Bronze
C.V. Discs	EPDM
R.V. Disc	Silicone
R.V. Diaphragm	Nitrile and Nylon
R.V. Body	Bronze (2-1/2"-6")
R.V. Body	Epoxy Coated (FDA Approved) Ductile Iron For 8" & 10" only
Fasteners	Stainless Steel
Test Cock Handles	Stainless Steel

Contact local water authorities for installation/service requirements.

See Backflow Catalog for dimensions and flow curves

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	Y-Strainer	Size	Shut-Off Valves
40 - Standard 40LF - Lead Free†	0- Standard 1- w/Y-strainer (shipped loose)	9-2-1/2" 0-3" A-4" C-6" E-8" G-10"	1- Less gate valves 2- w/ NRS gate valves 3- w/OS&Y gate valves 5-w/Epoxy coated ball valves 6- OS&Y flg x flg post indicator* 7- OS&Y flg x OS&Y grv 8- OS&Y grv x OS&Y grv 10-OS&Y flg x grv post indicator*

\*Post indicator w/ plate & nut option not available in 2-1/2" size.

### FEATURES

- Maximum protection against back pressure/back-siphonage
- Reversible/removable seat discs
- Replaceable bronze seats
- Internal sensing passage
- Designed for easy maintenance
- Low head loss
- Lead-Free† option
- Economical
- Corrosion resistant
- Maximum working pressure 175 psi
- Gate valves epoxy coated (FDA)
- Lead-Free† option
- Horizontal installation approvals
- Temperature range 33°F - 140°F
- UL Classified
- FM approved
- USC FCCCHR
- ASSE 1013
- CSA
- AWWA 511
- Made in the USA
- Designed, manufactured, assembled and tested in South Carolina, USA
- 5 year, domestic warranty