

# BACKFLOW PREVENTERS DC-4S SERIES

## Backflow Preventers DC-4S Series (previously model DC)

### Top Entry Double Check Valve Assembly

The Apollo DC-4S Top Entry Double Check Valve Backflow Preventer is designed to prevent backflow by either back-pressure or back-siphonage from a cross-connection between potable water lines and substances that are objectionable, but not a health hazard. It is an economical device that is easily repaired in the line. The device consists of two independently acting, spring-loaded poppet type cartridge check valves in an integral cast bronze body. Four test cocks and two shut-off valves which are quarter-turn, full-port, resilient-seated and ball type complete the assembly.

#### OPERATION

During normal flow conditions, the two check valves are held off their seats, supplying water downstream. Each check valve is designed to maintain a minimum of 1 psid across the valve during normal operation. If at any time the pressure downstream of the device increases to within 1 psi of supply pressure, both check valves will close to prevent a backflow condition from occurring.

#### MATERIALS

Body and Cover	Bronze
Check Modules	Acetal w/Stainless Steel Springs
Spacer	Stainless Steel
Ball Valve Handles	Stainless Steel

Contact local water authorities for installation/service requirements.

See Backflow Catalog for dimensions and flow curves



Sizes 1/2"

#### FEATURES

- Corrosion resistant
- Easy to install, repair and maintain
- Low head loss
- Replaceable check cartridge modules
- Comes standard with Apollo® full-port ball valves with stainless steel handles
- USC FCCCHR
- AWWA C-510
- Lead-Free<sup>1</sup> option
- ASSE 1015
- Approved for vertical and horizontal installations
- Maximum working pressure 175 psig
- Operating temperature range 33°F-180°F
- Designed, manufactured, assembled and tested in South Carolina, USA
- 5 year, domestic warranty

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	Shut-Off Valve	Options (can be combined)
4S - Standard	1 - less ball valves	F- SAE threaded test cocks (standard on lead free)
4S LF - Lead Free <sup>1</sup>	2 - w/ ball valves (standard)	LL - locking lever handles
	4 - w/union ball valves	LR - Locking round handles

#### Example:

4S-103-A2 = 1/2" double check valve assembly with ball valves