

# BACKFLOW PREVENTERS DC-4An SERIES

## Backflow Preventers DC-4An Series

### N Style Double Check Valve Assembly

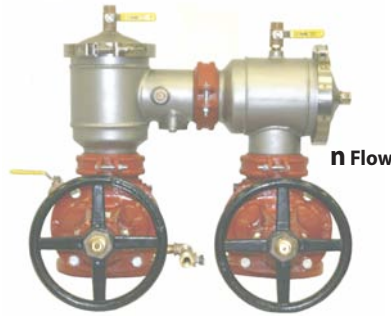
The Apollo® MODEL DC-4An Double Check Valves are designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are objectionable, but non-health hazards. The Tri-Force™ center stem guided check valves feature replaceable and reversible silicone seat discs. The normally vertical up/vertical down oriented body incorporates an internal swivel connection providing the ability to pivot the second check. The N style flow body is stainless steel from 2-1/2"-8" and FDA epoxy coated ductile iron in the 10" and 12". Available in a wide variety of shut-off valves.

#### 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 psi across the valve during normal operation. Should the downstream pressure increase to within 1 psi of supply pressure, both check valves will close to prevent a backflow condition.

#### FEATURES

- Stainless steel body: 2-1/2"-8"
- FDA epoxy coated ductile iron body: 10" & 12"
- Easy maintenance, no special tools required
- Snap-in check retainers: 2-1/2"-6", bolted-in checks: 8"-12"
- Low pressure loss as documented by ASSE or USC FCCC&HR backflow preventer approval agencies



N Flow

Sizes 2-1/2"-12"



TriForce™  
Check



Optional Valve Setter (see pg

4An X - 1 X X - 0 X

	Y-Strainer	Size (in.)	Shut-Off Valve
4An - Standard 4AnLF - Lead Free <sup>1</sup>	0-Standard 1-w/ Y-strainer (shipped loose)	9-2-1/2" 0-3" A-4" C-6" E-8" G-10" H-12"	1-Less Shut-off Valves 2-NRS Flg x NRS Flg 3-OS&Y Flg x OS&Y Flg 4-OS&Y Flg x Monitored Butterfly Vlv Grv 6-OS&Y Flg x Post indicator Flg** 7-OS&Y Flg x OS&Y Grv 8-OS&Y Grv x OS&Y Grv 9-Mon. Butterfly Vlv Grv x Mon. Butterfly Vlv Grv 10-OS&Y Flg x Post Indicator Grv** 11-NRS Grv x NRS Grv 12-NRS Flg x NRS Grv

Example: 4AN-10A-03 =  
4" size with OS&Y flanged  
x flanged shut-off valves  
(shown above)

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

- Center stem guided TriForce™ check valves
- Lead-Free<sup>1</sup> option
- Small installation space required - small footprint
- Chloramine-resistant elastomers
- ASSE 1015 (2-1/2"-8")
- UL, ULC Classified
- FM (2-1/2"-8")
- Maximum working pressure 175 psi
- Other approvals pending\*
- Temperature range 33°F - 140°F, 180°F intermittent
- US Patent Nos. 6,443,184; 7,025,085, 7,533,699
- Made in the USA
- 5 year, domestic warranty

\*Contact factory for approval details

#### MATERIALS

Body (2-1/2"-8")	304 Stainless Steel
Body (10 & 12")	FDA Epoxy Coated Ductile Iron
Covers (2-1/2"-6")	Glass Filled PPO/SS
Covers (8")	304 Stainless Steel
Covers (10 & 12")	FDA Epoxy Coated Ductile Iron
Relief Valve	Bronze
Check Valves	Bronze/Glass-filled PPO/SS
Springs	Stainless Steel
Seat Discs	Chloramine-resistant Silicone

See Backflow Catalog for  
dimensions and flow curves