



## 4C-100 SERIES

### Carbonated Beverage Backflow Preventer

Sizes 1/4", 3/8"

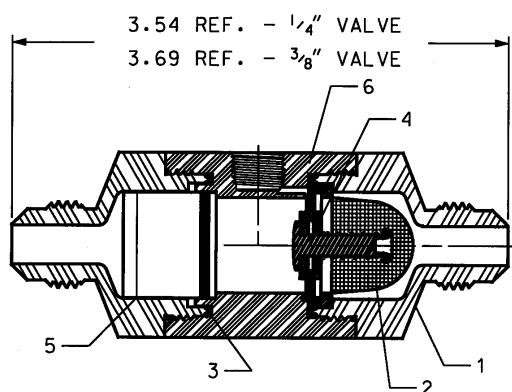


### FEATURES

- Compact design
- Lowest head loss
- Atmospheric vent provides indication of problems
- Integral strainer for equipment protection
- NSF-18 listed
- Repairable check assemblies
- Non-metallic body for corrosion resistance

### APPROVALS

The 4C-100 Series is approved under **ASSE 1022** and **NSF-18 listed**.



## SPECIFICATIONS

### GENERAL SPECIFICATIONS

The carbonated beverage backflow preventer (CBBP) shall be designed to prevent the contamination of the potable water supply due to backflow when installed on water distribution lines serving beverage dispensing equipment. The device shall consist of two (2) independently acting check valves biased to a normally closed position. A normally open atmospheric port shall be located between the check valves. The vent port shall have provision for direct connection of a sight tube to allow a visible indication of any discharge from the device, as well as a means of extending the vent to an air gapped termination. Additionally, the CBBP shall be equipped with a 100 mesh integral strainer. The open area of the strainer shall be at least four times the cross-sectional area of the pipe to which it is connected. All wetted areas of the device shall be non-toxic, corrosion resistant, and approved for use with potable water.

### CONBRACO SPECIFICATIONS

The Conbraco 4C-100 Series CBBP shall consist of two (2) independently acting check valves biased to a normally closed position. Under static (non-flowing) conditions, the check valves shall remain in the closed position. When a valve is opened downstream (i.e. a drink is delivered from the beverage dispensing unit), the check valves shall open and permit the flow of water. Under backflow conditions, the diaphragm seat on the first check shall lift and permit flow through the atmospheric port located between the two check valves. An integral strainer located at the inlet shall insure debris does not enter the carbonator. Conbraco's CBBP shall be available with 1/4" or 3/8" 45° flare end connections.

The Conbraco 4C-100 Series CBBP shall be certified to **ASSE 1022** and approved for use with potable water.

The CBBP shall be suitable for **supply pressures to 150 psig** and **water temperatures from 33° to 130° F**.

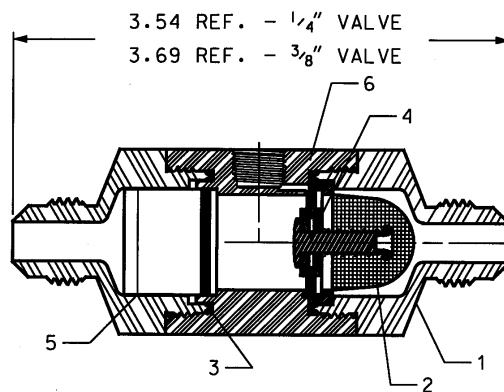
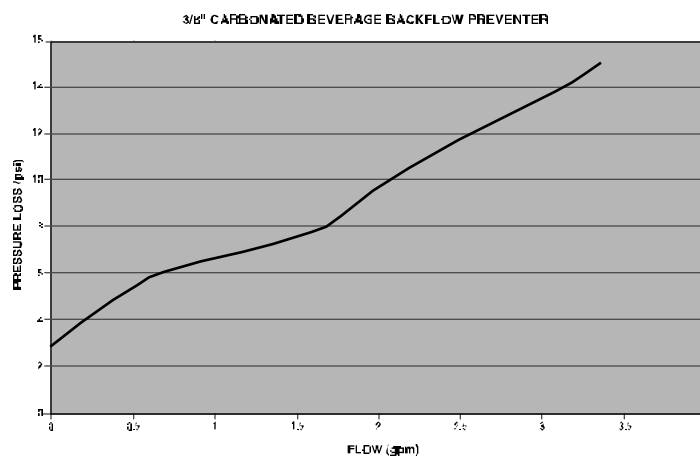
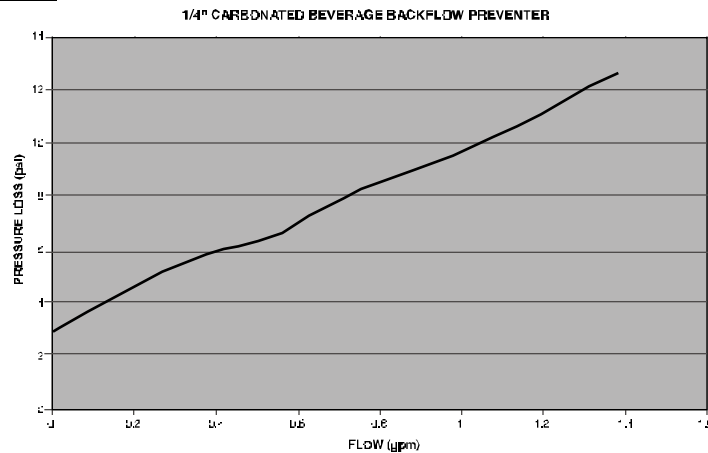
The manufacturing facility shall be **ISO 9001 REGISTERED**.

The valve shall be manufactured by **CONBRACO INDUSTRIES, INC.**, Matthews, North Carolina.

## MATERIALS

- |                           |                                      |
|---------------------------|--------------------------------------|
| 1. End cap                | - Acetal                             |
| 2. Strainer               | - PVC/Stainless steel                |
| 3. O-ring                 | - Nitrile                            |
| 4. Downstream check valve | - Nitrile/Stainless steel/<br>Acetal |
| 5. Upstream check valve   | - EPDM/Stainless                     |
| 6. Body                   | - Acetal                             |

# FLOW CURVES



## ORDERING NUMBER

4 C - 10 - 01

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

### BACKFLOW PRODUCTS DIVISION