

# BF Series Dual Check Backflow Preventers

## DESCRIPTION

Cash Acme's BF Series Dual Check Backflow Preventers are designed to prevent polluted water from entering the potable water supply system by preventing polluted water from entering the potable water supply system by preventing the reverse flow of water into supply lines.

The BF Series is designed to protect the primary water system (such as city water supply) by providing containment at the point of distribution. These valves function in either the horizontal or vertical position under continuous or intermittent pressure conditions.

The **Cash Acme BF-1** is available in 3/4" and 1" sizes and incorporates a female threaded union inlet and a female threaded outlet. The Cash Acme BF-5 is available as a 1" meter threaded (swivel) NPSH inlet and 3/4" FNPT. The BF Series is designed for maximum system pressures to 175 psi. The operating temperature range for this valve is from 32° to 140°F. (0° C to 60° C).

**Cash Acme's Dual Check Backflow Preventers** incorporate a rugged cast bronze body with a brass union or swivel connections. The check sub-assemblies are constructed with molded check subs, spring guides and poppets, stainless steel springs, silicone rubber seat discs and Buna-N O-rings.

## FEATURES AND BENEFITS

Prevents polluted water from entering the potable water supply system:  
*Prevents the reverse flow of water into supply lines.*

Straight through design:  
*Minimizes pressure drop.*

May be installed horizontally or vertically.

Listed by ASSE and CSA:  
*Inspector friendly, peace of mind!*

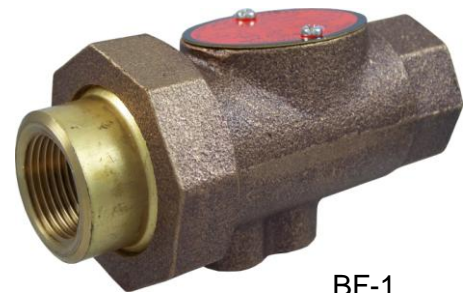
Available in lead free and Non-Potable applications.

## SPECIFICATION

**A Dual Check Backflow Preventer** shall be installed to prevent polluted water from entering the potable water supply system by preventing reverse flow of water into supply lines. The valve shall have a bronze body with brass union or swivel connections, molded check subs, spring guides and poppets. The valve shall have stainless steel springs, silicone rubber seat discs and Buna-N O-rings. The valve shall be a **Cash Acme BF Series Dual Check Backflow Preventer**.



BF-5

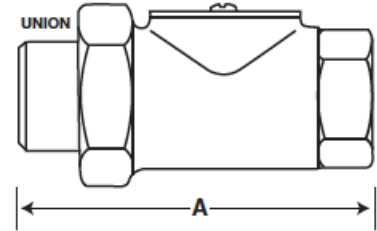
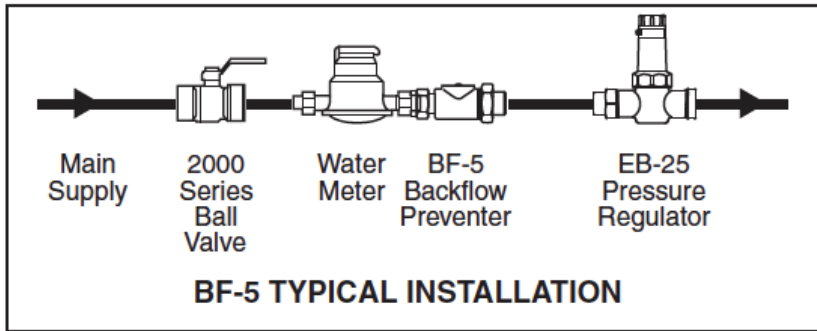


BF-1

# BF Series Dual Check Backflow Preventers

## TYPICAL INSTALLATION

The Cash Acme Type BF-1 may be installed anywhere in the service line. Type BF-5 is intended to be installed immediately downstream of the water meter.



**BF-1**

Dimensions	A
3/4" FNPT	4-3/8"
1" FNPT	4-3/8"

## SPECIFICATION DATA

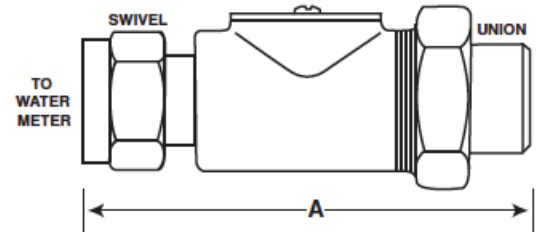
**Performance:**

Maximum temperature 140 °F (60 °C)  
 Maximum pressure psi  
 Service Water

**Materials:**

Body\* Bronze  
 Springs Stainless Steel  
 Seat Disc Silicone rubber  
 Poppets & Check Subs  
 O-rings Buna-N

\* Lead Free and Non-Potable Version available



**BF-5**

Dimensions	A
1" Meter x 3/4" FNPT Union	5-3/16"

## AVAILABLE CONNECTIONS

Brass union inlet connection 3/4" and 1" FNPT  
 Swivel connections 1" meter NPSH

## CERTIFICATIONS

Cash Acme BF Series Dual Check Backflow Preventers are certified to ASSE 1024 and CSA B64.6.

### BF Series Typical Flow Loss

Size	Flow (gpm)	Pressure Loss (psi)
All Sizes	3	4.3
	6	5.0
	9	5.8
	12	6.7
	16	8.0