

# A-89 and A-43CRF Pressure Reducing Boiler Feed Valves

## DESCRIPTION

The Cash Acme A-89 Series is a highly competitive Boiler Feed Valve that automatically and accurately reduces system pressure to 14 psi.

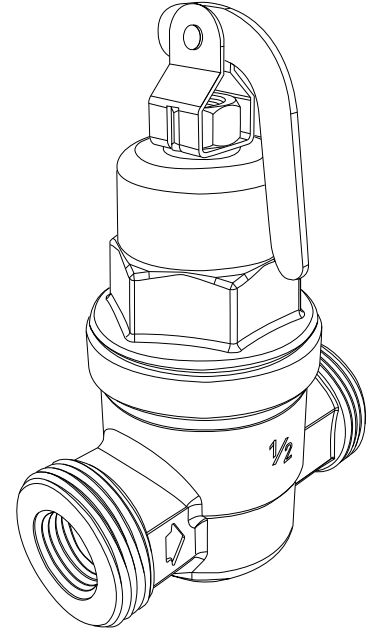
These innovatively designed A-89 Valves feature a balanced piston construction for closer outlet control regardless of fluctuations in inlet pressure. A rapid fill feature incorporates a larger seat for higher capacity, and an improved back-check device ensures greater water system protection.

The **Cash Acme A-89** has threaded ends; the **A-89C** features a sweat copper union inlet. Both valves feature bronze bodies and inbuilt strainer screens. Standard reducing pressure setting is 14 psi with an adjustment range from 10 to 30 psi. Maximum inlet pressure is 200 psi. The **Cash Acme A-89** is available in a 1/2" size only.

The **Cash Acme A-43CRF** is an economical boiler feed valve that automatically reduces system water pressure to 14 psi and holds it there for trouble free heating service.

It is available with a bronze body, inbuilt strainer, sweat copper union inlet and features an inbuilt check valve to retard reverse flow of boiler water.

The **Cash Acme A-43CRF** incorporates a unique rapid fill device which is basically a time saving feature. When in use, it allows the fast filling and purging of a hydronic system. And since the water flow is passing directly through the valve and into the system, there is always the protection of the built in strainer.



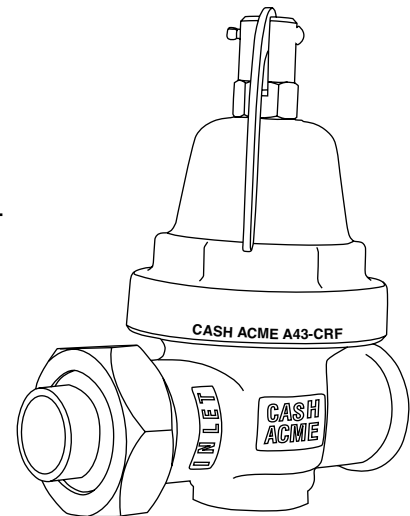
## FEATURES AND BENEFITS

A-89 Contains a polymer seat:  
*Prevents scaling*

A-43CRF contains an inbuilt check valve:  
*Retards reverse flow of boiler water.*

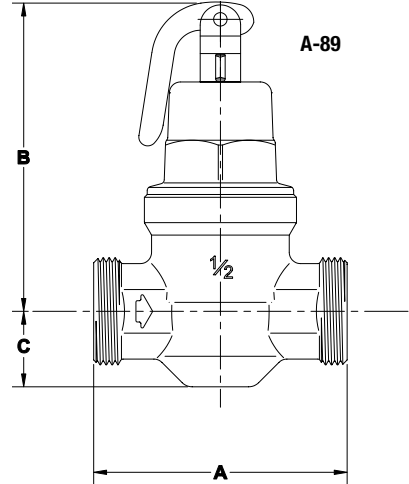
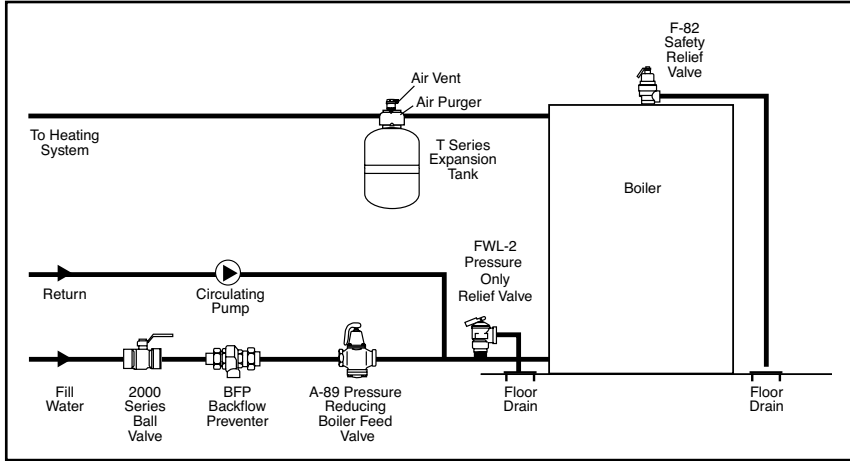
Economical and easy to install:  
*Saves money and time!*

Every valve is tested for performance prior to shipping:  
*Specify and install with confidence!*



# A-89 and A-43CRF Pressure Reducing Boiler Feed Valves

## TYPICAL INSTALLATION



## SPECIFICATION DATA

### Performance:

Outlet pressure range . . . . . 10-30 psi (Factory set 14 psi)  
 Maximum inlet pressure . . . . . 200 psi  
 Service . . . . . Water

### Materials:

Body . . . . . Bronze  
 Strainer . . . . . Stainless steel  
 Seat . . . . . Polysulphone for A-89  
 . . . . . Stainless steel for A-43CRF  
 Seat Disc . . . . . EP  
 Diaphragm . . . . . EP and Nylon  
 Spring Chamber . . . . . Iron for A-89  
 . . . . . Aluminum for A-43CRF  
 Piston . . . . . Brass  
 O-Ring . . . . . EP  
 Bottom Plug (A-43CRF) . . . . . Brass

Dimensions	A	B	C
A-89	3-9/16"	4-3/8"	1-1/16"
A-89 Union	4-5/16"	4-3/8"	1-1/16"
A-89 Double Union	5-1/16"	4-3/8"	1-1/16"
A-89C	4-5/16"	4-3/8"	1-1/16"
A-43CRF	3-5/8"	3-5/8"	3/4"

## CONNECTIONS

Sweat Copper Union . . . . . 1/2"  
 Threaded (NPT) . . . . . 1/2"  
 A-89 Threaded Union and Double Union (NPT) . . . . . 1/2"