

# F-82 Safety Relief Valve

## DESCRIPTION

The Cash Acme F-82 is a pressure-only ASME relief valve designed for use on hot water space heating boilers, water supply heaters and storage tanks.

The Cash Acme F-82 Safety Relief Valves are designed for use on hot water service only and **are not to be used on steam**.

The **Cash Acme F-82** is available in 3/4", 1", 1-1/4", 1-1/2" and 2" sizes. It has a female inlet and outlet. The **Cash Acme F-82 ASME Safety Relief Valve** has a standard factory pressure relief settings from 30 to 150 psi. These high capacity pressure-only relief valves feature bronze bodies, silicone seat discs and stainless steel pressure springs.

## FEATURES AND BENEFITS

Compact and economical:  
*Saves space and money!*

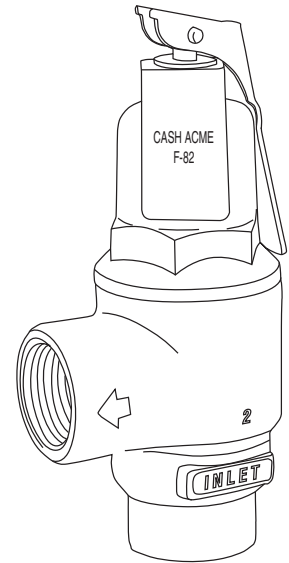
Completely automatic and reseats after pressure relief:  
*Ideal for most domestic water heater applications.*

ASME Section IV listed:  
*Rated for emergency steam discharge by the National Board of Boiler and Pressure Vessel Inspectors.*

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

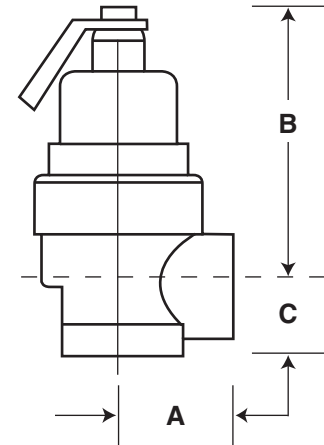
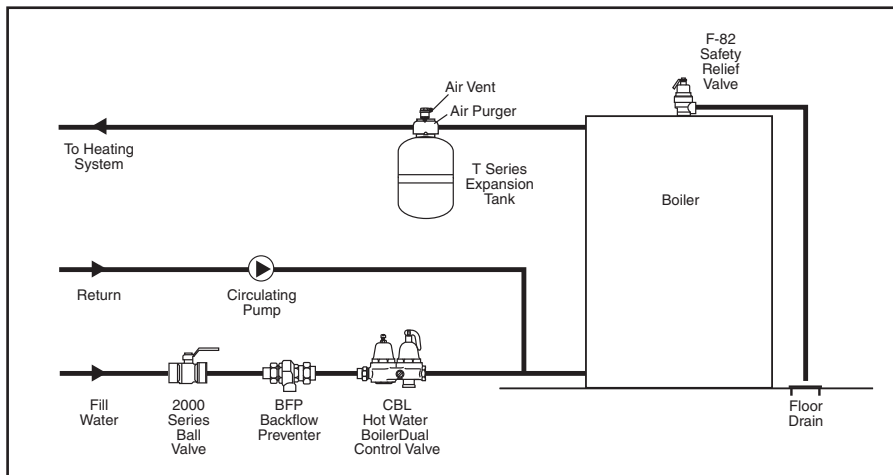
## SPECIFICATION

A high capacity relief valve shall be installed to relieve pressure at a pre-determined set. The valve shall have a bronze body with female inlet and outlet. The valve shall have a silicone seat disc and stainless steel pressure spring. The valve shall be ASME listed and National Board Certified. The valve shall be a **Cash Acme F-82**.



# F-82 Safety Relief Valve

## TYPICAL INSTALLATION



## SPECIFICATION DATA

### Performance:

Set pressure range . . . . . 30-150 psi

Service . . . . . Water

### Materials:

Body . . . . . Bronze

Seat Disc . . . . . Silicone

Pressure Spring . . . . . Stainless steel

| Dimensions      | A        | B        | C        |
|-----------------|----------|----------|----------|
| 3/4" x 3/4"     | 1-1/2"   | 3-1/2"   | 1-11/16" |
| 1" x 1"         | 1-3/4"   | 4-11/32" | 1-7/64"  |
| 1-1/4" x 1-1/4" | 2-1/16"  | 5-9/16"  | 1-1/2"   |
| 1-1/2" x 1-1/2" | 2-15/32" | 5-7/8"   | 1-21/32" |
| 2" x 2"         | 3"       | 7-1/2"   | 2-5/32"  |

## CONNECTIONS

Threaded (NPT) . . . . . Female inlet and female outlet

## CERTIFICATIONS

The Cash Acme F-82 Relief Valve is listed by ASME.

| ASME RELIEF CAPACITIES AT STANDARD SETTINGS - BTU/HR STEAM RELIEF |                  |              |                      |                      |              |
|-------------------------------------------------------------------|------------------|--------------|----------------------|----------------------|--------------|
| RELIEF SETTING                                                    | F-82 3/4" x 3/4" | F-82 1" x 1" | F-82 1-1/4" x 1-1/4" | F-82 1-1/2" x 1-1/2" | F-82 2" x 2" |
| 30psi                                                             | 717,000          | 1,025,000    | 1,704,000            | 2,085,000            | 3,902,000    |
| 50psi                                                             | 1,048,000        | 1,498,000    | 2,490,000            | 3,047,000            | 5,701,000    |
| 75psi                                                             | 1,462,000        | 2,090,000    | 3,472,000            | 4,249,000            | 7,951,000    |
| 100psi                                                            | 1,875,000        | 2,680,000    | 4,454,000            | 5,451,000            | 10,200,000   |
| 125psi                                                            | 2,289,000        | 3,271,000    | 5,437,000            | 6,653,000            | 12,450,000   |
| 150psi                                                            | 2,703,000        | 3,862,000    | 6,419,000            | 7,855,000            | 14,699,000   |