

# F-82 Safety Relief Valve

## DESCRIPTION

The Cash Acme F-82 is a pressure-only ASME safety 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. All sizes have a female inlet and outlet. The 3/4" size is also available with a male inlet.

The Cash Acme F-82 ASME Safety Relief Valves have a standard factory pressure relief setting from 30 to 150 psi. These high capacity pressure-only safety relief valves feature bronze bodies, silicone seat discs, EP diaphragms, brass internal parts, and stainless steel pressure springs.

Lead Free\* versions of most models are also available.

## 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

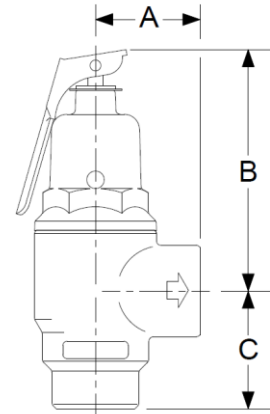
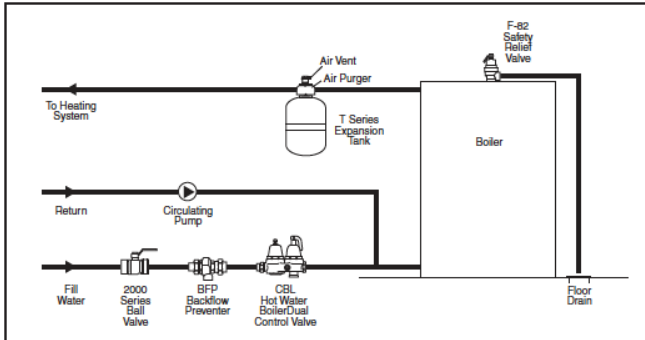
A high capacity safety relief valve shall be installed to relieve pressure at a pre-determined set. The valve shall have a bronze body with a silicone seat disc and stainless steel pressure spring. The valve shall be ASME listed and National Board Certified. The valve shall be a Cash Acme F-82.



\* A device is defined as Lead Free if its normally wetted surface has a weighted average lead content not exceeding 0.25%.

# F-82 Safety Relief Valve

## TYPICAL INSTALLATION



## SPECIFICATION DATA

**Performance:**

Available Set pressures ..... 30-150 psi  
 Service ..... Water

**Materials:**

Body ..... Bronze  
 Internal Parts ..... Brass  
 Seat Disc ..... Silicone  
 Pressure Spring ..... Stainless steel  
 Diaphragm ..... EP

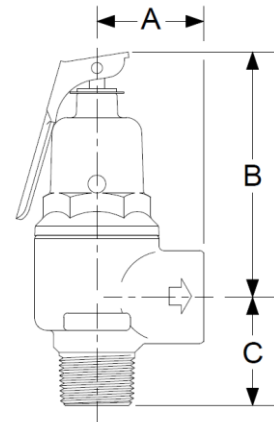
Inlet Size (NPS)	Outlet Size (NPS)	DIMENSIONS		
		A	B	C
Female 3/4"	Female 3/4"	1-1/2"	3-1/2"	1-11/16"
1"	1"	1-3/4"	4-11/32"	1-7/64"
1-1/4"	1-1/4"	2-1/16"	5-9/16"	1-1/2"
1-1/2"	1-1/2"	2-15/32"	5-7/8"	1-21/32"
2"	2"	3"	7-1/2"	2-5/32"

## AVAILABLE CONNECTIONS

Threaded (NPT) ..... Female inlet and female outlet  
 (Male inlet also available on 3/4" size)

## CERTIFICATIONS

The Cash Acme F-82 Safety Relief Valve is capacity certified to ASME Boiler Code Section IV.



Inlet Size (NPS)	Outlet Size (NPS)	DIMENSIONS		
		A	B	C
Male 3/4"	Female 3/4"	1-1/2"	3-1/2"	1-17/32"

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