

TEMPERATURE & PRESSURE RELIEF VALVES



Cash Acme is an industry leader in producing Temperature & Pressure (T&P) Relief Valves for water heaters and hot water storage tanks. Cash Acme offers an extensive line of temperature and pressure relief valve products, including robust high capacity commercial products, compact residential models, and agricultural products.

Each pressure relief valve is tested for performance, quality and efficiency before it leaves our factory.

Our products include models that are ASME, ANSI and CSA (AGA) approved to protect water heaters from excess pressures and temperatures by discharging water. Relief valves are completely automatic and reset after the pressure has been relieved.





TEMPERATURE & PRESSURE RELIEF VALVES

NCLX

RESIDENTIAL

The NCLX features include a cast bronze body, brass and stainless steel internal parts, silicone seat disc and stainless steel spring. The NCLX incorporates an inert thermal element coating that provides effective isolation from mineral deposits (liming). The NCLX comes standard with a test lever. The valve is completely automatic and reseats after either temperature or pressure relief. The NCLX is available in male inlets and female outlets with several options in shank and element lengths.

FEATURES AND BENEFITS:

- Incorporates an inert thermal element coating to provide effective isolation from mineral deposits (liming) and galvanic corrosion
- Completely automatic and reseats after temperature or pressure relief
- Ideal for all domestic water heater applications
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Available Set Pressures 150 psi standard*
(75, 100, 125, and 175 psi available for select models; see Rating Table)

*Other pressure settings may be available. Contact Customer Service.

Temperature Relief	210°F (98.9°C) standard [180°F (82.2°C) available for select models; see Rating Table]
Service	Hot Water

APPLICATIONS:

Provides temperature and pressure protection for domestic water heater and storage tanks.

AVAILABLE CONNECTIONS:

Threaded (NPT) Male inlet and female outlet

APPROVALS AND LISTINGS:

CSA Listed to ANSI Z21.22/CSA 4.4; NB listed to ASME Boiler Code Section IV (1/2" sizes are CSA Listed Only).

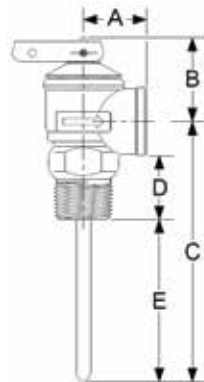
CSA (ANSI Z21.22/CSA 4.4) & ASME (BOILER CODE SECTION IV) RATINGS							
Type	Size (NPS)	CSA Rating (BTU/hr)	ASME Rating at Pressure Setting Indicated				
			75 psig (BTU/hr)	100 psig (BTU/hr)	125 psig (BTU/hr)	150 psig (BTU/hr)	175 psig (BTU/hr)
NCLX-1	1/2"	15,000	-	-	N/R	N/R	-
NCLX-1	3/4"	95,000	300,000	-	500,000	500,000	N/R
NCLX-5	1/2"	15,000	-	-	N/R	N/R	-
NCLX-5	3/4"	105,000(1)	300,000	N/R(2)	500,000	500,000	N/R(2)
NCLX-5L	3/4"	105,000	-	-	-	500,000	-
NCLX-5LX	3/4"	105,000	-	N/R(2)	500,000	500,000	-
NCLX-5S	3/4"	105,000	-	-	-	500,000	-
NCLX-LS	3/4"	105,000	-	-	-	500,000	-
NCLX-A	3/4"	105,000	-	N/R(2)	-	500,000	-
NCLX-8	3/4"	105,000	-	-	500,000	500,000	-

(1) For 3/4" NCLX-5 at 175 psig CSA Rating is 95,000 BTU/hr.

(2) The 100 psig pressure set is only offered with the 180°F temperature relief.

(3) N/R indicates Type is available but Not ASME Rated at the indicated pressure set.

DIMENSIONS (inches)						
Type	Size (NPS)	A	B	C	D	E
NCLX-1	1/2	1-3/32	1-9/16	3-3/16	1-3/16	1-7/16
NCLX-1	3/4	1-5/32	1-9/16	3-3/16	1-3/16	1-5/16
NCLX-5	1/2	1-3/32	1-9/16	4-7/8	1-3/16	3-1/8
NCLX-5	3/4	1-5/32	1-9/16	4-7/8	1-3/16	3-1/16
NCLX-5L	3/4	1-5/32	1-9/16	4-7/8	2-3/32	2-1/8
NCLX-5LX	3/4	1-5/32	1-9/16	4-7/8	2-5/16	1-7/8
NCLX-5S	3/4	1-5/32	1-9/16	4-7/8	1-1/2	2-11/16
NCLX-LS	3/4	1-5/32	1-9/16	4-7/8	2-5/8	1-9/16
NCLX-A	3/4	1-5/32	1-9/16	4-7/8	3-5/16	7/8
NCLX-8	3/4	1-5/32	1-9/16	9-3/4	1-3/16	7-7/8



TEMPERATURE & PRESSURE RELIEF VALVES

NCLX CONT.

PRODUCT DESCRIPTION	PART NUMBER
NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES	
1/2" NCLX-1	16483-0150
3/4" NCLX-1	16487-0150
1/2" NCLX-5, AGA only	15912-0150
3/4" NCLX-5	15836-0150
3/4" NCLX-5L	18821-0150
3/4" NCLX-5LX	19783-0150
3/4" NCLX-5S	21343-0150
3/4" NCLX-LS	19084-0150
3/4" NCLX-8	16372-0150
3/4" NCLX-8 with Extended Shank	24971-0150
3/4" NCLX-A	22348-0150
3/4" NCLX-5 for Water Heaters using PEX Pipe ASME, 180 F Element	22830-0100
3/4" NCLX-5LX for Water Heaters using PEX Pipe ASME, 180 F Element	22831
3/4" NCLX-A for Water Heaters using PEX Pipe ASME, 180 F Element	22832
TEMPERATURE AND PRESSURE RELIEF VALVE WITH SHARKBITE OUTLET CONNECTION	
3/4" NCLX-5LX w/ SharkBite Outlet Connection	24609-0150
LEAD FREE NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES CLAM SHELL PACKAGED	
3/4" NCLX-5	23576-0150
3/4" NCLX-LX	23577-0150
LEAD FREE NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES	
1/2" NCLX-1	23277-0150
3/4" NCLX-1	23279-0150
1/2" NCLX-5 , AGA only	23278-0150
3/4" NCLX-5	23261-0150
3/4" NCLX-5L	23354-0150
3/4" NCLX-5LX	23266-0150
3/4" NCLX-5S	23263-0045
3/4" NCLX-LS	23268-0150
3/4" NCLX-8	23272-0150
3/4" NCLX-A	23270-0150





TEMPERATURE & PRESSURE RELIEF VALVES

FVX/FVMX

COMMERCIAL, RESIDENTIAL

The FVX Series combination temperature and pressure relief valves are designed to offer high capacity protection for domestic and commercial water heating devices. The FVX Series Valves are fully automatic with the valves resetting after either temperature or pressure relief.

The larger FVX Series Valves are well suited for such commercial applications as restaurants, hospitals and laundries.

All FVX Series valves through 1-1/4" have coated thermal elements that protect against mineral build-up. The 1-1/2" and 2" valves have stainless steel elements. The FVX Series Valves are available with male (FVMX) or female (FVX) inlet connections and female only outlet connections.

FEATURES AND BENEFITS:

- Offers high capacity protection for domestic and commercial hot water heating devices
- The valves reseal automatically after either temperature or pressure relief
- The larger series valves are well suited for commercial applications
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Available Set Pressures 75-150 psi
Temperature Relief 210°F (98.9°C)
Service Hot water

APPLICATIONS:

Commercial and domestic hot water heating applications.

AVAILABLE CONNECTIONS:

Threaded (NPT) Male or female inlet and female outlet

APPROVALS AND LISTINGS:

CSA Listed to ANSI Z21.22/CSA 4.4; NB Listed to ASME Boiler Code Section IV.

FVX SERIES (FEMALE INLET)						
CSA (ANSI Z21.22/CSA 4.4) & ASME (BOILER CODE SECTION IV) RATINGS						
Type	Inlet Size (NPS)	CSA Rating (BTU/hr)	ASME Rating at Pressure Setting Indicated			
			75 psig (BTU/hr)	100 psig (BTU/hr)	125 psig (BTU/hr)	150 psig (BTU/hr)
FVX-3C	3/4"	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-5C	3/4"	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-8C	3/4"	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-3C	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVX-5C	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVX-5L	1"	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVX-8L	1"	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVX-4	1-1/2"	1,200,000	3,273,000	4,199,000	5,125,000	6,050,000



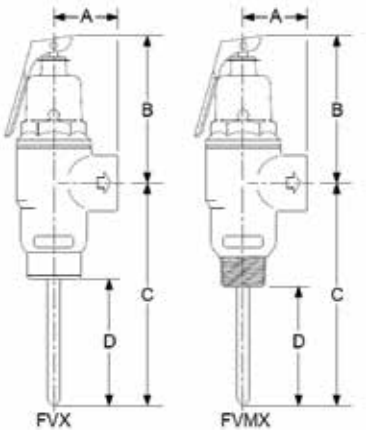
TEMPERATURE & PRESSURE RELIEF VALVES

FVX/FVMX CONT.

FVMX SERIES (MALE INLET)						
CSA (ANSI Z21.22/CSA 4.4) & ASME (BOILER CODE SECTION IV) RATINGS						
Type	Inlet Size (NPS)	CSA Rating (BTU/hr)	ASME Rating at Pressure Setting Indicated			
			75 psig (BTU/hr)	100 psig (BTU/hr)	125 psig (BTU/hr)	150 psig (BTU/hr)
FVMX-3C	3/4"	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-5C	3/4"	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-8C	3/4"	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-1LS	3/4"	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-5LS	3/4"	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-3C	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-5C	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-3LS	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-4LS	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-6LS	1"	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-4L	1-1/4"	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVMX-3	2"	1,200,000	3,273,000	4,199,000	5,125,000	6,050,000

FVX SERIES (FEMALE INLET)						
Type	Inlet Size (NPS) Female	Outlet Size (NPS) Female	Dimensions (inches)			
			A	B	C	D
FVX-3C	3/4	3/4	1-1/2	3-15/32	5-7/32	3
FVX-5C	3/4	3/4	1-1/2	3-15/32	6-7/8	4-5/8
FVX-8C	3/4	3/4	1-1/2	3-15/32	10-1/8	7-7/8
FVX-3C	1	1	1-9/16	3-15/32	5-7/32	3-3/32
FVX-5C	1	1	1-9/16	3-15/32	6-7/8	4-3/4
FVX-5L	1	1	1-3/4	4-3/8	5-7/8	4-3/4
FVX-8L	1	1	1-3/4	4-3/8	9-1/4	8-5/32
FVX-4	1-1/2	1-1/2	2-1/2	5-7/8	5-7/8	4-3/16

FVMX SERIES (MALE INLET)						
Type	Inlet Size (NPS) Male	Outlet Size (NPS) Female	Dimensions (inches)			
			A	B	C	D
FVMX-3C	3/4	3/4	1-1/2	3-15/32	5-7/32	2-25/32
FVMX-5C	3/4	3/4	1-1/2	3-15/32	6-7/8	4-7/16
FVMX-8C	3/4	3/4	1-1/2	3-15/32	10-1/8	7-11/16
FVMX-1LS	3/4	3/4	1-17/32	3-15/32	5-7/32	1-15/32
FVMX-5LS	3/4	3/4	1-17/32	3-15/32	9-3/32	5-3/8
FVMX-3C	1	1	1-9/16	3-15/32	5-7/32	3-1/8
FVMX-5C	1	1	1-9/16	3-15/32	6-7/8	4-25/32
FVMX-3LS	1	1	1-19/32	3-15/32	6-7/8	3
FVMX-4LS	1	1	1-19/32	3-15/32	6-7/8	4-1/16
FVMX-6LS	1	1	1-19/32	3-15/32	10-1/8	6-1/4
FVMX-4L	1-1/4	1	1-3/4	4-11/32	5-7/8	3-29/32
FVMX-3	2	1-1/2	2-15/32	5-27/32	5-27/32	3-5/16





TEMPERATURE & PRESSURE RELIEF VALVES

FVX/FVMX CONT.

PRODUCT DESCRIPTION	PART NUMBER
FVX & FVMX COMMERCIAL TEMPERATURE AND PRESSURE RELIEF VALVES	
3/4" FVX-3C Female Inlet	16930-0150
3/4" FVX-5C Female Inlet	16931-0150
3/4" FVX-8C Female Inlet	16932-0150
3/4" FVMX-3C Male Inlet	16933-0150
3/4" FVMX-5C Male Inlet	16934-0150
3/4" FVMX-5LS Male Inlet	20682-0150
3/4" FVMX-8C Male Inlet	16935-0150
3/4" FVMX-1LS Male Inlet, Long Shank	20113-0150
1" FVX-3C Female Inlet	16936-0150
1" FVX-5C Female Inlet	16937-0150
1" FVX-5L Female Inlet	15638-0150
1" FVX-8L Female Inlet	17354-0150
1" FVMX-3C Male Inlet	16938-0150
1" FVMX-5C Male Inlet	16939-0150
1" FVMX-3LS Male Inlet, Long Shank	19784-0150
1" FVMX-4LS Male Inlet, Long Shank	22894-0150
1-1/4" X 1" FVMX-4L Male Inlet, Long Shank	15672-0150
1-1/2" FVX-4 Female Inlet, Long Shank	16221-0150
2" X 1-1/2" FVMX-3 Male Inlet	16225-0150
LEAD FREE FVX & FVMX COMMERCIAL TEMPERATURE AND PRESSURE RELIEF VALVES	
3/4" FVX-3C Female Inlet	23258-0150
3/4" FVX-5C Female Inlet	23256-0150
3/4" FVX-8C Female Inlet	23355-0150
3/4" FVMX-3C Male Inlet	23274-0150
3/4" FVMX-5C Male Inlet	23255-0150
3/4" FVMX-8C Male Inlet	23275-0150
3/4" FVMX-1LS Male Inlet, Long Shank	23260-0150
1" FVX-3C Female Inlet	23259-0150
1" FVX-5C Female Inlet	23931-0150
1" FVX-5L Female Inlet	23257-0150
1" FVX-8L Female Inlet	23273-0150
1" FVMX-3C Male Inlet	23253-0150
1" FVMX-5C Male Inlet	23276-0150
1-1/4" X 1" FVMX-4L Male Inlet, Long Shank	23934-0150
1-1/2" FVX-4 Female Inlet, Long Shank	23935-0150
2" X 1-1/2" FVMX-3 Male Inlet	23936-0150
2" X 1-1/2" FVMX-3 Male Inlet	23936-0150



TEMPERATURE & PRESSURE RELIEF VALVES

FWL

COMMERCIAL, RESIDENTIAL

The FWL-2 is a pressure only relief valve designed specifically for the protection of hot water supply systems where over-pressure conditions are likely to occur as a result of thermal expansion.

Completely automatic, the FWL-2 reseats after pressure relief. The valve may be installed directly on the tank or in a tee and is appropriate for either side (hot or cold) of the water heater.

The FWL-2 is fitted with a bronze body, brass and stainless steel internal parts, a silicone seat disc and a stainless steel pressure spring. The FWL-2 is compact and economical. The factory relief settings for 1/2" and 3/4" sizes are 75, 125 or 150 psi.

FEATURES AND BENEFITS:

- Specifically for the protection of hot water supply systems
- Offers protection from over-pressure conditions that are likely to occur as a result of thermal expansion
- Compact and economical
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Available Set pressures 150 psi (75 and 125 psi available)
Service Water

APPLICATIONS:

Commercial and domestic hot water heating applications.

AVAILABLE CONNECTIONS:

Threaded (NPT) Male inlet and female outlet

APPROVALS AND LISTINGS:

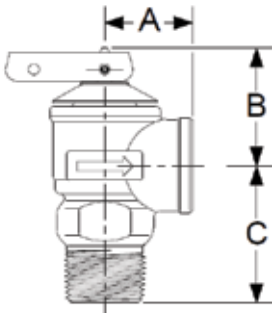
CSA Listed to ANSI Z21.22/CSA 4.4; NB listed to ASME Boiler Code Section IV (FWOL are not Listed; 1/2" sizes are CSA Listed only).



CSA (ANSI Z21.22/CSA 4.4) & ASME (BOILER CODE SECTION IV) RATINGS					
Type	Size (NPS)	ASME Rating at Pressure Setting Indicated			
		CSA Rating (BTU/hr)	75 psig (BTU/hr)	125 psig (BTU/hr)	150 psig (BTU/hr)
FWL-2	1/2"	15,000 (1)	N/R (1)	N/R	N/R
FWL-2	3/4"	200,000 (1)	N/R (1)	500,000	500,000

- (1) The 1/2" and 3/4" FWL-2 at 75 psig are not CSA or ASME rated.
(2) N/R indicates Type is available but Not ASME Rated at the indicated pressure set.

Type	Size (NPS)	DIMENSIONS (inches)		
		A	B	C
FWL-2	1/2	1-3/32	1-9/16	1-25/32
FWL-2	3/4	1-5/32	1-9/16	1-25/32



PRODUCT DESCRIPTION	PART NUMBER
FWL-2 PRESSURE RELIEF VALVES	
1/2" FWL-2 Pressure only	14721-0150
3/4" FWL-2 Pressure only, AGA & ASME	14737-0150
LEAD FREE FWL-2 PRESSURE RELIEF VALVES	
3/4" FWL-2 Pressure only, AGA & ASME Lead Free	23343-0150
FWOL PRESSURE ONLY RELIEF VALVES WITHOUT LIFT LEVER	
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22834-0125
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22835-0100
3/4" Pressure only, Male Inlet / Female Outlet without Lift Lever	22836-0075
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22862-0125
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22863-0100
1/2" Pressure only, Male Inlet / Female Outlet without Lift Lever	22864-0075



TEMPERATURE & PRESSURE RELIEF VALVES

F-30

COMMERCIAL

The F-30 is a compact and economical ASME Safety Relief Valve for use on hot water space heating boilers, water supply heaters, and storage tanks. It features an all brass body, brass internal parts, a silicone seat disc and a stainless steel pressure spring.

The F-30 Relief Valve is designed for use on hot water service only and is not to be used on steam.

The F-30 is available in 3/4" size only. The standard factory pressure relief setting is 30 psi.

FEATURES AND BENEFITS:

- Compact and economical
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Set pressure 30 psi
Service Water

APPLICATIONS:

Commercial hot water space heating boilers, water supply heaters, and storage tanks.

AVAILABLE CONNECTIONS:

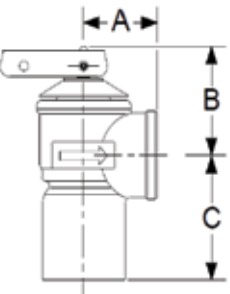
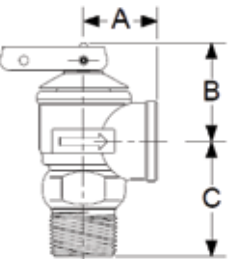
Threaded 3/4" male or female inlet and female outlet

APPROVALS AND LISTINGS:

NB Listed to ASME Boiler Code Section IV with a relief capacity of 510,000 BTU/hr.

Type	Size (NPS)	DIMENSIONS (inches)		
		A	B	C
F-30	3/4	1-5/32	1-9/16	1-25/32
F-30 FIP X FIP	3/4	1-5/32	1-9/16	1-25/32

PRODUCT DESCRIPTION	PART NUMBER
F-30 ASME PRESSURE RELIEF VALVES	
3/4" F-30 set at 30 psi	20166-0030
3/4" F-30 FIP X FIP set at 30 psi	22887-0030
LEAD FREE F-30 ASME PRESSURE RELIEF VALVES	
3/4" F-30 set at 30 psi	23344-0030



F-82

COMMERCIAL

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

The F-82 has a female inlet and outlet. The F-82 ASME Safety Relief Valve has a factory pressure relief setting 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
- The valves reseal automatically after pressure relief
- Ideal for most domestic water heater applications
- Rated for emergency steam discharge by the National Board of Boiler and Pressure Vessel Inspectors
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Available Set pressures 30-150 psi
Service Water

APPLICATIONS:

Commercial hot water space heating boilers, water supply heaters, and storage tanks.

AVAILABLE CONNECTIONS:

Threaded (NPT) Female inlet and female outlet*

*Male inlet also available on 3/4" size

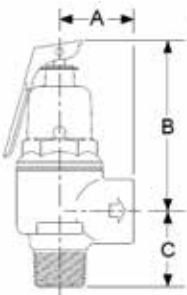
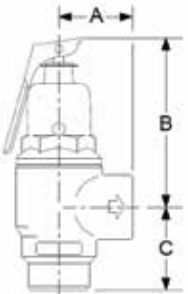
APPROVALS AND LISTINGS:

NB Listed to ASME Boiler Code Section IV.

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"
30 psi	717,000	1,025,000	1,704,000	2,085,000	3,902,000
50 psi	1,048,000	1,498,000	2,490,000	3,047,000	5,701,000
75 psi	1,462,000	2,090,000	3,472,000	4,249,000	7,951,000
100 psi	1,875,000	2,680,000	4,454,000	5,451,000	10,200,000
125 psi	2,289,000	3,271,000	5,437,000	6,653,000	12,450,000
150 psi	2,703,000	3,862,000	6,419,000	7,855,000	14,699,000

Inlet Size (NPS) Female	Outlet Size (NPS) Female	DIMENSIONS (inches)		
		A	B	C
3/4	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

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





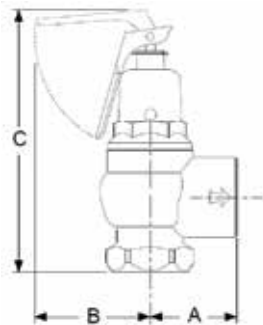
TEMPERATURE & PRESSURE RELIEF VALVES



PRODUCT DESCRIPTION	PART NUMBER
F-82 ASME PRESSURE RELIEF VALVES	
3/4" F-82 Bronze body with lever set at 30 psi	13570-0030
3/4" F-82 Bronze body with lever set at 50 psi	13570-0050
3/4" F-82 Bronze body with lever set at 75 psi	13570-0075
3/4" F-82 Bronze body with lever set at 100 psi	13570-0100
3/4" F-82 Bronze body with lever set at 125 psi	13570-0125
3/4" F-82 Bronze body with lever set at 150 psi	13570-0150
1" F-82 Bronze body with lever set at 30 psi	15673-0030
1" F-82 Bronze body with lever set at 50 psi	15673-0050
1" F-82 Bronze body with lever set at 75 psi	15673-0075
1" F-82 Bronze body with lever set at 100 psi	15673-0100
1" F-82 Bronze body with lever set at 125 psi	15673-0125
1" F-82 Bronze body with lever set at 150 psi	15673-0150
1-1/4" F-82 Bronze body with lever set at 50 psi	16174-0050
1-1/4" F-82 Bronze body with lever set at 100 psi	16174-0100
1-1/4" F-82 Bronze body with lever set at 150 psi	16174-0150
1-1/2" F-82 Bronze body with lever set at 50 psi	16189-0050
1-1/2" F-82 Bronze body with lever set at 100 psi	16189-0100
1-1/2" F-82 Bronze body with lever set at 150 psi	16189-0150
2" F-82 Bronze body with lever set at 50 psi	16204-0050
2" F-82 Bronze body with lever set at 100 psi	16204-0100
2" F-82 Bronze body with lever set at 150 psi	16204-0150
LEAD FREE F-82 ASME PRESSURE RELIEF VALVES	
3/4" F-82 Bronze body with lever set at 30 psi	23341-0030
3/4" F-82 Bronze body with lever set at 50 psi	23341-0050
3/4" F-82 Bronze body with lever set at 75 psi	23341-0075
3/4" F-82 Bronze body with lever set at 100 psi	23341-0100
3/4" F-82 Bronze body with lever set at 125 psi	23341-0125
3/4" F-82 Bronze body with lever set at 150 psi	23341-0150
1" F-82 Bronze body with lever set at 30 psi	23356-0030
1" F-82 Bronze body with lever set at 50 psi	23356-0050
1" F-82 Bronze body with lever set at 75 psi	23356-0075
1" F-82 Bronze body with lever set at 100 psi	23356-0100
1" F-82 Bronze body with lever set at 125 psi	23356-0125
1" F-82 Bronze body with lever set at 150 psi	23356-0150
1-1/4" F-82 Bronze body with lever set at 50 psi	23937-0050
1-1/4" F-82 Bronze body with lever set at 100 psi	23937-0100
1-1/4" F-82 Bronze body with lever set at 150 psi	23937-0150
1-1/2" F-82 Bronze body with lever set at 50 psi	23938-0050
1-1/2" F-82 Bronze body with lever set at 100 psi	23938-0100
1-1/2" F-82 Bronze body with lever set at 150 psi	23938-0150
2" F-82 Bronze body with lever set at 50 psi	23939-0050
2" F-82 Bronze body with lever set at 100 psi	23939-0100
2" F-82 Bronze body with lever set at 150 psi	23939-0150



TEMPERATURE & PRESSURE RELIEF VALVES



F-95

COMMERCIAL

The F-95 Expanded Outlet Pressure Relief Valve offers a complete package of expanded boiler ASME safety relief valves in sizes ranging from 3/4" x 1" through 2" x 2-1/2". The F-95 features an iron body construction, brass seat, silicone seat disc and EP diaphragms for high temperature applications. It also incorporates a pop-type action. The F-95 Valves are available with relief settings from 30 to 75 psi.

FEATURES AND BENEFITS:

- Offers a complete package of expanded boiler safety relief valves in a range of sizes
- Provides pressure protection for nearly all commercial/industrial OEM boilers and hot water heating system applications
- Higher Capacity: Handles more volume with just one relief valve
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Available Set pressures 30-75 psi
Service Water

APPLICATIONS:

Provides pressure protection for nearly all types of commercial and industrial OEM boilers and water heating system applications.

AVAILABLE CONNECTIONS:

Threaded (NPT) Female inlet and female outlet

APPROVALS AND LISTINGS:

NB Listed to ASME Boiler Code Section IV.

ASME RATED HOT WATER SAFETY RELIEF VALVE (BTU/HR)					
Set Pressure (psi)	3/4" x 1"	1" x 1-1/4"	1-1/4" x 1-1/2"	1-1/2" x 2"	2" x 2-1/2"
30	952,000	1,337,000	2,090,000	3,010,000	5,351,000
45	1,281,000	1,800,000	2,813,000	4,051,000	7,202,000
60	1,611,000	2,262,000	3,536,000	5,092,000	9,053,000
75	1,940,000	2,725,000	4,259,000	6,133,000	10,904,000

Inlet Size (NPS) Female	Outlet Size (NPS) Female	DIMENSIONS (inches)		
		A	B	C
3/4	1	1-13/16	2-13/32	5-1/2
1	1-1/4	2-1/16	2-3/8	6-13/32
1-1/4	1-1/2	2-3/8	3-3/32	9-9/16
1-1/2	2	2-5/8	3-7/8	10-3/32
2	2-1/2	3-7/16	3-1/2	12-13/16

PRODUCT DESCRIPTION	PART NUMBER
F-95 ASME PRESSURE RELIEF VALVES	
3/4" X 1" F-95 Iron body with lever set at 30 psi	19497-0030
3/4" X 1" F-95 Iron body with lever set at 50 psi	19497-0050
3/4" X 1" F-95 Iron body with lever set at 75 psi	19497-0075
1" X 1-1/4" F-95 Iron body with lever set at 30 psi	19499-0030
1" X 1-1/4" F-95 Iron body with lever set at 50 psi	19499-0050
1" X 1-1/4" F-95 Iron body with lever set at 75 psi	19499-0075
1-1/4" X 1-1/2" F-95 Iron body with lever set at 30 psi	19501-0030
1-1/4" X 1-1/2" F-95 Iron body with lever set at 50 psi	19501-0050
1-1/4" X 1-1/2" F-95 Iron body with lever set at 75 psi	19501-0075
1-1/2" X 2" F-95 Iron body with lever set at 30 psi	19503-0030
1-1/2" X 2" F-95 Iron body with lever set at 50 psi	19503-0050
1-1/2" X 2" F-95 Iron body with lever set at 75 psi	19503-0075
2" X 2-1/2" F-95 Iron body with lever set at 30 psi	19505-0030
2" X 2-1/2" F-95 Iron body with lever set at 50 psi	19505-0050
2" X 2-1/2" F-95 Iron body with lever set at 75 psi	19505-0075



TEMPERATURE & PRESSURE RELIEF VALVES

F, FW & FWC

COMMERCIAL, INDUSTRIAL

The FW and FWC Valves are small, low-cost relief valves suitable for static over-pressure protection. Type FWC incorporates a calibrated adjusting screw for occasional changes in pressure setting without the use of a pressure gauge. Bronze bodies with male inlet and female outlet, silicone seats and stainless steel spring.

FEATURES AND BENEFITS:

- Offers protection against problematic and over-pressure conditions:
 - thermal expansion protection
 - static pressure and over-pressure relief
 - very low capacity pump relief
 - other uses of similar nature where tight shut-off is required
- Designed to meet the needs of a wide variety of water systems in commercial and industrial applications
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Set pressure range	25-175 psi (Type FWC) factory set at 125 psi
Maximum temperature	210°F (98.9°C)
Service	Water

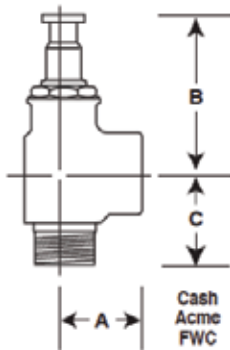
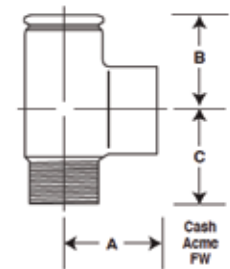
APPLICATIONS:

For commercial and industrial applications including thermal expansion protection, static pressure and over-pressure relief, low capacity pump relief and other uses of similar nature where tight shut-off is required. Valves are non-code.

AVAILABLE CONNECTIONS:

Threaded (NPT) Male inlet and female outlet

DIMENSIONS (inches)	A	B	C
FW - 1/2	1-3/16	1-11/32	1-1/2
FW - 3/4	1-3/16	1-11/32	1-1/2
FWC - 1/2	1-3/16	2-5/8	1-1/2
FWC - 3/4	1-1/4	2-5/8	1-1/2



PRODUCT DESCRIPTION	PART NUMBER
F & FW SERIES RELIEF VALVES	
1/2" F Pressure only, Male Inlet / Female Outlet	07420-0150
1/2" X 3/8" FP Pressure only, Male Inlet / 3/8" Female Outlet	07410-0150
1/2" FW Pressure only	09553-0125
3/4" FW Pressure only	09554-0125
LEAD FREE FWC ADJUSTABLE PRESSURE RELIEF VALVES	
1/2" Pressure only	09563-0125LF
3/4" Pressure only	09564-0125LF



TEMPERATURE & PRESSURE RELIEF VALVES

VR-801

COMMERCIAL

The VR-801 Vacuum Relief Valve is designed to protect hot water supply systems and pressure vessels against negative pressure. It is especially well suited for many domestic and commercial systems.

It works by preventing internal vacuum conditions that could result in burned out heaters and/or collapsed storage tanks. Installed on the cold water supply line, the Cash Acme VR-801 closes tightly under pressure and opens at a 1" mercury vacuum. Atmosphere admitted to the system breaks the vacuum, preventing collapse of the storage tank.

FEATURES AND BENEFITS:

- Prevents internal vacuum conditions
- Guards against siphonage, burnt-out heaters and collapsing of storage tanks and negative pressure
- Opens quickly in emergency situations on a one inch mercury vacuum
- Every valve is tested for performance prior to shipping

PERFORMANCE:

Relief pressure (open)	1" Hg vacuum
Capacity	13 SCFM (@ 2" Hg)
Maximum temperature	210°F (98.9°C)
Maximum inlet pressure	200 psi
Service	Water

APPLICATIONS:

For protection of commercial hot water supply systems and pressure vessels against negative pressure.

AVAILABLE CONNECTIONS:

Threaded (NPT) 1/2" and 3/4"

APPROVALS AND LISTINGS:

ANSI Z21.22/CSA 4.4. Listed by CSA.



PRODUCT DESCRIPTION	PART NUMBER
LEAD FREE VR-801 VACUUM RELIEF VALVES	
1/2" Drilled vent, w/dust cover	22397-0000LF
3/4" Drilled vent, w/dust cover	22398-0000LF

