

# NCLX T&P Relief Valve

## DESCRIPTION

The Cash Acme NCLX Combination Temperature and Pressure Relief Valves are designed for the protection of water heaters and storage tanks.

The Cash Acme NCLX Valves are designed to meet local codes and are ideal for all domestic water heater applications.

The Cash Acme NCLX Valves are completely automatic and reset after either temperature or pressure relief. They are offered in 1/2" and 3/4" sizes with male inlets and female outlets. The NCLX Valve incorporates an innovative "white coat" thermal element coating, an inert covering that provides effective isolation from mineral deposits (liming) and galvanic corrosion. Designed to protect the copper thermal element from corrosion and mineral build-up, the thermal element offers many years of dependable safety protection.

The pencil-thin thermal element coating is available in four extension lengths for each valve type to permit the temperature sensing element to be placed in the top 6 inches of the tank without restricting flow.

### Extension Lengths

1 7/16"	NCLX-1
2"	NCLX-5L
3"	NCLX-5
8"	NCLX-8

The Cash Acme NCLX Valves come with standard factory pressure relief setting of 125 or 150 psi. The 3/4" NCLX-5 is also available in a 175 psi factory setting. Two models are available which have extended length bodies (NCLX-5L and NCLX-LS) for use with super-insulated water heaters. The NCLX Series Relief Valves feature a cast brass body, brass and stainless steel internal parts, silicone seat disc and a stainless steel pressure spring.

## FEATURES AND BENEFITS

Incorporates an inert thermal element coating:

*Provides effective isolation from mineral deposits (liming) and galvanic corrosion.*

Completely automatic and reset after temperature or pressure relief:

*Ideal for all domestic water heater applications.*

Listed by CSA and ASME:

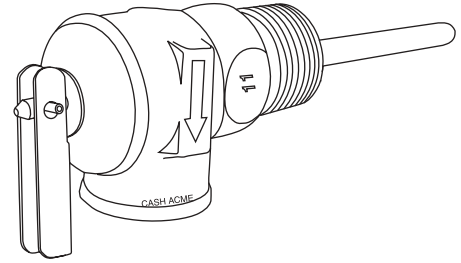
*Inspector friendly, peace of mind!*

Every valve is tested for performance prior to shipping:

*Specify and install with confidence!*

## SPECIFICATION

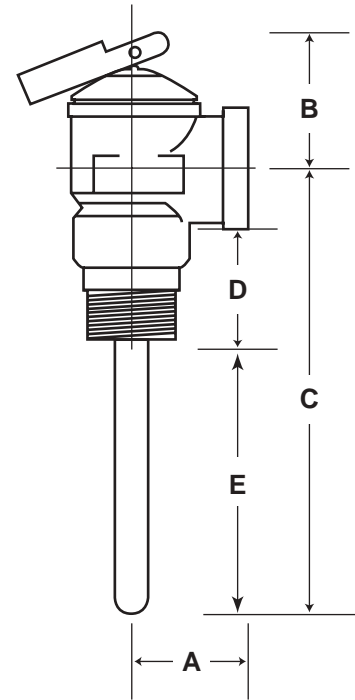
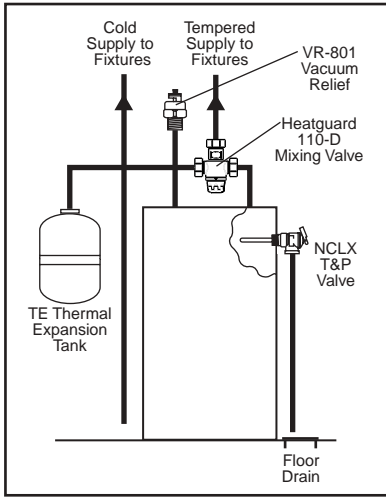
A temperature and pressure relief valve shall be installed to protect the water heater or water storage tank from excessive temperature or pressure. The valve shall be ASME and CSA listed and shall be design certified per ANSI Z21.22. The valve shall have a BTU rating in excess of the input rating of the burners in which it is installed. The valve shall be a **Cash Acme NCLX T & P Relief Valve**.



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## TYPICAL INSTALLATION

Practically all recognized authorities state that a temperature actuated relief valve must be installed in such a manner that the temperature sensing element is in contact with hot water in the **top six inches** of the tank. This is a **necessary** safety precaution because of temperature stacking - the term given to the condition of temperature variation between the hottest water in the top of the tank and water temperatures at varying distances away from the actual tank tapping.



## SPECIFICATION DATA

### Performance:

Set pressure . . . . .75, 125, 150 and 175 psi  
 Maximum temperature . . . . .210° F  
 Service . . . . .Hot water

### Materials:

Body . . . . .Brass  
 Internal Parts . . . . .Brass and stainless steel  
 Seat Disc . . . . .Silicone  
 Pressure Spring . . . . .Stainless steel  
 Diaphragm (FCLX) . . . . .EP

A.G.A., C.G.A., A.S.M.E. RATINGS					
TYPE	SERIES	SIZE	ELEMENT EXTENSION LENGTH	A.B.A. RATING (btu/hr)	A.S.M.E. RATING AT 125 & 150 (btu/hr)
NCLX-1*		1/2"	1 7/16"	15,000	**
NCLX-1*		3/4"	1 7/16"	95,000	500,000
NCLX-5*	5	1/2"	3"	15,000	**
NCLX-5*	5	3/4"	3"	105,000	500,000
NCLX-5L*		3/4"	2 1/4"	105,000	500,000
NCLX-LS		3/4"	3"	105,000	**
NCLX-8	4	3/4"	8"	105,000	500,000

\*C.G.A. design certified  
 \*\* Non-A.S.M.E. rated

TYPE	SIZE	DIMENSIONS			SHIP WT. (lbs.)
		A	B	C	
NCLX-1	1/2"	1 1/8"	1 5/8"	3 1/8"	1/2
NCLX-5	1/2"	1 1/8"	1 5/8"	4 5/8"	1/2
NCLX-1	1/2"	1 1/4"	1 5/8"	3 1/8"	1/2
NCLX-5	3/4"	1 1/4"	1 5/8"	4 5/8"	5/8
NCLX-5L	3/4"	1 1/4"	1 5/8"	4 5/8"	5/8
NCLX-LS	3/4"	1 1/4"	1 5/8"	4 5/8"	1
NCLX-8	3/4"	1 1/4"	1 5/8"	9 5/8"	5/8

## CONNECTIONS

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

## CERTIFICATIONS

The **Cash Acme NCLX Relief Valve** is certified to ANSI Z21.22 and CSA 4.4. (NCLX-1 is listed by CSA only).