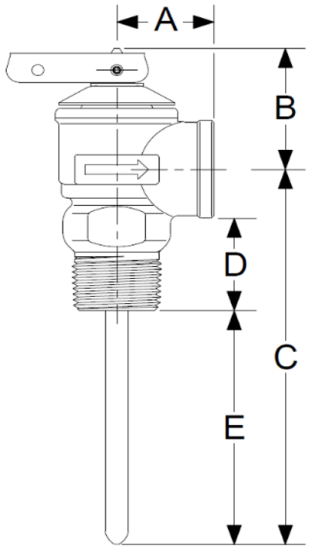
Cash Acme®

NCLX Temperature & Pressure Relief Valve

The NCLX Temperature and Pressure Relief Valves protect water heaters and storage tanks by releasing excess pressure or temperature. They automatically reseat after use and are designed for reliable, long-term performance. Made with a durable bronze body and corrosion-resistant parts that help protect the valve from buildup of minerals over time. Available in 1/2 in. and 3/4 in. sizes, the valves come in various models to fit standard, short, or extended length needs- making them suitable for a wide range of water heaters including super-insulated models. Standard settings are 150 psi and 210ºF, with additional pressure options offered. The NCLX Series Relief Valves feature a cast bronze body, brass and stainless steel internal parts, silicone seat disc, and stainless steel pressure spring, with some models available in Lead-Free versions.



Applications

NCLX Combination Temperature and Pressure Relief Valves are designed for the protection of water heaters and storage tanks and are ideal for all domestic water heater applications.

Specifications Data

Materials	
Body	Bronze
Internal Parts	Brass and Stainless Steel
Seat Disc	Silicone
Pressure Spring	Stainless Steel
Connection Type	NPT Male Inlet and Female Outlet

Performance	
Relief (Set) Pressure	150 psi standard, (75, 100, 125, and 175 psi available for select models; see Rating Table)
Relief Temperature	210 ˚F

Short Element Valves

Dimensions (Inches)						
Type	Size	A	B	C	D	E
NCLX-1	1/2 in.	1- 3/32 in.	1-9/16 in.	3-3/16 in.	1-3/16 in.	1-7/16 in.
NCLX-1	3/4 in.	1-5/32 in.	1-9/16 in.	3-3/16 in.	1-3/16 in.	1-5/16 in.

Standard Element Valves

Dimensions (Inches)						
Type	Size	A	B	C	D	E
NCLX-5	1/2 in.	1- 3/32 in.	1-9/16 in.	4-7/8 in.	1-3/16 in.	3-1/8 in.
NCLX-5	3/4 in.	1-5/32 in.	1-9/16 in.	4-7/8 in.	1-3/16 in.	3-1/16 in.
NCLX-5S	3/4 in.	1-5/32 in.	1-9/16 in.	4-7/8 in.	1-1/2 in.	2-11/16 in.
NCLX-5L	3/4 in.	1-5/32 in.	1-9/16 in.	4-7/8 in.	2-3/32 in.	2-1/8 in.
NCLX-5LX	3/4 in.	1-5/32 in.	1-9/16 in.	4-7/8 in.	2-5/16 in.	1-7/8 in.
NCLX-LS	3/4 in.	1- 5/32 in.	1-9/16 in.	4-7/8 in.	2-5/8 in.	1-9/16 in.
NCLX-A	3/4 in.	1- 5/32 in.	1-9/16 in.	4-7/8 in.	3-5/16 in.	7/8 in.

Certifications & Listings

CSA listed to ANSI Z21.22/CSA 4.4

Certified to ASME Boiler and Pressure Vessel Code Section XIII for Section IV (HV Designator) applications (1/2 in. sizes are CSA listed only)

Product Submittal	
Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

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Canada 1 888 820 0120 | canadasales@rwc.com | cashacme.ca

Extended Length Element Valve

Dimensions (Inches)						
Type	Size	A	B	C	D	E
NCLX-8	3/4 in.	1- 5/32 in.	1-9/16 in.	9-3/4 in.	1-3/16 in.	7-7/8 in.

CSA (ANSI Z21.22/CSA 4.4) and ASME (Boiler Code Section XIII HV Designator) 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)	175 psig (BTU/hr)
NCLX-1	1/2 in.	15,000	X	X	N/R	N/R	X
NCLX-1	3/4 in.	95,000	300,000	X	500,000	500,000	X
NCLX-5	1/2 in.	15,000	X	X	N/R	N/R	X
NCLX-5	3/4 in.	105,000 (1)	300,000	X	500,000	500,000	N/R (1)
NCLX-5S	3/4 in.	105,000	X	N/R	X	500,000	X
NCLX-5L	3/4 in.	105,000	X	X	X	500,000	X
NCLX-5LX	3/4 in.	105,000	X	X	500,000	500,000	X
NCLX-LS	3/4 in.	105,000	X	X	X	500,000	X
NCLX-A	3/4 in.	105,000	X	X	X	500,000	X
NCLX-8	3/4 in.	105,000	X	X	500,000	500,000	X

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

(2) “X” indicates the set pressure is not available.

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