

Cash Acme®

FVX/FVMX Temperature & Pressure Relief Valve

The FV(M)X Series is a high-capacity combination temperature and pressure relief valve designed for both residential and commercial water heating systems. Fully automatic, it opens when needed and reseats after relieving pressure or temperature. The series includes options for male (FVMX) or female (FVX) inlets, extended thermostats lengths, and long-body versions for insulated tanks. All FV(M)X Series valves through 1-1/4 in. have coated thermal elements. The coating aids in protection against corrosion and mineral build-up and helps isolate the copper from galvanic action within the heater. The 1-1/2 in. and 2 in. sizes are fitted with stainless steel thermal elements. Lead-Free versions of most models are available.

Applications

The FV(M)X valves are diaphragm guided, and they are suitable for installations where codes require complete shut-off. The larger FV(M)X series valves are well suited for commercial applications.

Specifications Data

Materials	
Body	Brass
Seat	Brass
Seat Disc	Silicone
Spring	Stainless Steel
Diaphragm	EP
Connection Type	NPT Male or Female Inlet and Female Outlet

Performance	
Set Pressures	75-150 psi
Temperature Relief	210 °F

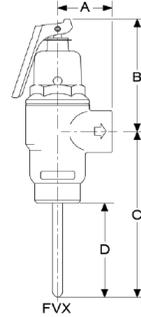
Certifications & Listings

CSA listed to ANSI Z21.22/CSA 4.4

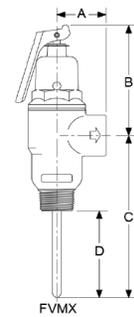
Certified to ASME Boiler and Pressure Vessel Code Section XIII for Section IV (HV Designator) applications

Lead Free* Valves are CSA certified to NSF/ANSI/CAN 372

FVX Female Inlet



FVMX Male Inlet



FVX Series Female Inlet

Dimensions (Inches)						
Type	Inlet Size	Outlet Size	A	B	C	D
FVX-3C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	5-7/32 in.	3 in.
FVX-5C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	6-7/8 in.	4-5/8 in.
FVX-8C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	10-1/8 in.	7-7/8 in.
FVX-3C	1 in.	1 in.	1-9/16 in.	3-17/32 in.	5-7/32 in.	3-3/32 in.
FVX-5C	1 in.	1 in.	1-9/16 in.	3-17/32 in.	6-7/8 in.	4-3/4 in.
FVX-5L	1 in.	1 in.	1-3/4 in.	4-7/16 in.	5-7/8 in.	4-3/4 in.
FVX-8L	1 in.	1 in.	1-3/4 in.	4-7/16 in.	9-1/4 in.	8-5/32 in.
FVX-4	1-1/2 in.	1-1/2 in.	2-1/2 in.	5-7/8 in.	5-7/8 in.	4-3/16 in.

FVMX Series Male Inlet

Dimensions (Inches)						
Type	Inlet Size	Outlet Size	A	B	C	D
FVMX-3C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	5-7/32 in.	2-25/32 in.
FVMX-5C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	6-7/8 in.	4-7/16 in.
FVMX-8C	3/4 in.	3/4 in.	1-1/2 in.	3-17/32 in.	10-1/8 in.	7-11/16 in.
FVMX-1LS	3/4 in.	3/4 in.	1-17/32 in.	3-17/32 in.	5-7/32 in.	1-15/32 in.
FVMX-5LS	3/4 in.	3/4 in.	1-17/32 in.	3-17/32 in.	9-3/32 in.	5-3/8 in.
FVMX-3C	1 in.	1 in.	1-9/16 in.	3-17/32 in.	5-7/32 in.	3-1/8 in.
FVMX-5C	1 in.	1 in.	1-9/16 in.	3-17/32 in.	6-7/8 in.	4-25/32 in.
FVMX-3LS	1 in.	1 in.	1-19/32 in.	3-17/32 in.	6-7/8 in.	3 in.
FVMX-4LS	1 in.	1 in.	1-19/32 in.	3-17/32 in.	6-7/8 in.	4-1/16 in.
FVMX-6LS	1 in.	1 in.	1-19/32 in.	3-17/32 in.	10-1/8 in.	6-1/4 in.
FVMX-4L	1-1/4 in.	1 in.	1-3/4 in.	4-7/16 in.	5-7/8 in.	3-29/32 in.
FVMX-3	2 in.	1-1/2 in.	2-15/32 in.	5-27/32 in.	5-27/32 in.	3-5/16 in.

Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

FVX Series Female Inlet

CSA (ANSI Z21.22/CSA 4.4) and ASME (Boiler Code Section XIII HV Designator) Ratings						
Type	Inlet Size	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 in.	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-5C	3/4 in.	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-8C	3/4 in.	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVX-3C	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVX-5C	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVX-5L	1 in.	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVX-8L	1 in.	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVX-4	1-1/2 in.	1,200,000	3,273,000	4,199,000	5,125,000	6,050,000

FVMX Series Male Inlet

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)
FVMX-3C	3/4 in.	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-5C	3/4 in.	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-8C	3/4 in.	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-1LS	3/4 in.	185,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-5LS	3/4 in.	205,000	1,034,000	1,327,000	1,619,000	1,912,000
FVMX-3C	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-5C	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-3LS	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-4LS	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-6LS	1 in.	500,000	1,165,000	1,495,000	1,825,000	2,155,000
FVMX-4L	1-1/4 in.	750,000	1,960,000	2,515,000	3,070,000	3,625,000
FVMX-3	2 in.	1,200,000	3,273,000	4,199,000	5,125,000	6,050,000