

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

## Series 415 Steam Safety Valves

Size: 3/4" – 1 1/2"

Series 415 ASME rated Steam Safety Relief Valves provide high quality dependable low cost protection for any low pressure steam heating equipment operating up to 15psi. Available at lower settings, such as 8psi for pressure cooker and steam cleaning equipment requirements. Consult your local Watts agent for ratings at lower pressure settings. Satin chrome finish also available, model SC.

Series 415 steam safety valves feature a stainless steel spring, a top guided stem and non-stick Teflon® disc to metal seating to assure positive shutoff.

### Features

- High capacity
- Positive shut off
- Non-sticking Teflon disc
- Seat located above drain
- NPT threaded male inlet x threaded female outlet (drain) connection

### Specification

Steam Safety Relief Valve shall be installed on the boiler where noted on the plans. Valve shall be manufactured out of bronze with stainless steel spring, non-stick Teflon disc, and metal seat. Valve shall have a maximum operating pressure of 15psi. Valve shall be a Watts Series 415.



415

#### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

#### NOTICE

Inquire with governing authorities for local installation requirements

## Models

- L** Low pressure setting  
**SC** Satin chrome finish

## Materials

- Body:  $\frac{3}{4}$ " forged brass  
 1" – 1½" Bronze  
 Spring: Stainless steel  
 Disc: Non-stick Teflon®  
 Seating: Metal

## Pressure – Temperature

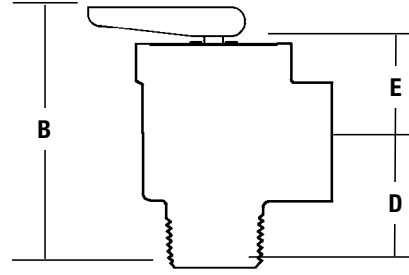
Capacity at 15psi is 450 lbs./hr. for the  $\frac{3}{4}$ " and 643 lbs./hr. for the 1", 1230 lbs./hr. for the 1¼", and 1860 lbs./hr. for the 1½"  
 Standard relief set pressure 15psi (103.4 kPa).

## Approvals



ASME

## Dimensions – Weights



MODEL	SIZE	ASME STEAM Discharge Capacity lbs./hr. @ 15psi	DIMENSIONS						WEIGHT	
			B		D		E		lbs.	kg.
	in.		in.	mm	in.	mm	in.	mm		
415-M1	$\frac{3}{4} \times \frac{3}{4}$	450	$2\frac{13}{16}$	71	$\frac{15}{16}$	33	$1\frac{1}{4}$	32	.70	.31
415-M1	1 x 1	643	$3\frac{1}{8}$	78	$1\frac{11}{16}$	43	$1\frac{5}{8}$	41	.91	.41
415	$1\frac{1}{4} \times 1\frac{1}{2}$	1230	$4\frac{3}{4}$	121	$2\frac{3}{8}$	60	$2\frac{1}{8}$	54	2.00	.91
415	$1\frac{1}{2} \times 2$	1860	$5\frac{7}{16}$	138	$2\frac{5}{8}$	67	$2\frac{9}{16}$	59	3.00	1.36

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