

For Low Pressure Steam Boilers and Process Equipment

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series 415 Steam Safety Valves

Size: 3/4" – 1 1/2" (20 – 40mm)

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

Models

L – Low pressure setting
 SC – Satin chrome finish

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 Regulator Company Series 415.

Materials

Body: 3/4" forged brass
 1" - 1 1/2" Bronze
 Spring: Stainless steel
 Disc: Non-stick Teflon®
 Seating: Metal

Pressure – Temperature

Capacity at 15psi is 450 lbs./hr. for the 3/4" and 643 lbs./hr. for the 1", 1230 lbs./hr. for the 1 1/4", and 1860 lbs./hr. for the 1 1/2". Standard relief set pressure 15psi (103.4 kPa).

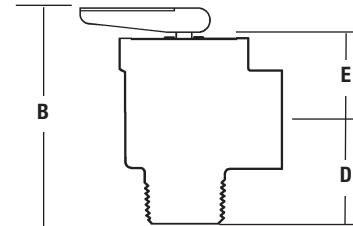


415

Approvals



Dimensions – Weights



MODEL	SIZE (DN)		ASME STEAM Discharge Capacity lbs./hr. @ 15psi	DIMENSIONS			WEIGHT	
	in.	mm		B in. mm	D in. mm	E in. mm	lbs.	kg.
415-M1	3/4 x 3/4	20 x 20	450	2 9/16 71	1 5/16 33	1 1/4 32	.70	.31
415-M1	1 x 1	25 x 25	643	3 1/8 78	1 11/16 43	1 5/8 41	.91	.41
415	1 1/4 x 1 1/2	32 x 40	1230	4 3/4 121	2 3/8 60	2 1/8 54	2.00	.91
415	1 1/2 x 2	40 x 50	1860	5 7/16 138	2 5/8 67	2 5/16 59	3.00	1.36

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Water Safety & Flow Control Products