

10-600 Series

ASME Hot Water Safety Relief Valve



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

ASME Section IV capacity certified bronze safety relief valve for protection of hot water heating boilers, systems and similar equipment. It can be pre-set to any pressure ranging from 15 to 160 psig (1 to 11 bar) at 250°F (121°C) max.

FEATURES

- Sizes: 3/4" - 2" (20 - 50mm)
- ASME Section IV Certified Capacity
- Corrosion Resistant Construction
- Diaphragm Isolated Spring Chamber
- Extremely High Capacity
- **Made in the USA**

APPROVALS

- ASME Section IV Heating Boilers
- Canadian Registration Number OG8547.5C
- Pressure Equipment Directive 2014/68/EU (PED)

STANDARD MATERIALS LIST

BODY/CAP	ASTM B584 Bronze
SPRING	Alloy Steel, Plated
SEAT	Silicone

PART NUMBER MATRIX

10	XX	X	X	X
SERIES NO.	MODEL	INLET SIZE	SET PRESSURE	OPTION
10	60 - STANDARD OUTLET	4 - 3/4"	PSIG (15-160)	CE - CE
	61 - OVERSIZE OUTLET	5 - 1"	SEE TABLE	
		6 - 1-1/4"		
		7 - 1-1/2"		
		8 - 2"		

PSIG SUFFIX

SUFFIX	SET PRESSURE	SUFFIX	SET PRESSURE
01	15	17	85
02	20	18	90
03	22	19	95
04	25	20	100
05	30	21	105
06	35	22	110
07	40	23	115
08	43	24	120
09	45	25	125
10	50	30	130
11	55	31	135
12	60	32	140
13	65	33	145
14	70	34	150
15	75	35	155
16	80	36	160

CAPACITY, BTU/HR

ASME HV Rating - 90% of Actual Capacity at 10% Overpressure

10-600 STANDARD DISCHARGE PORT					
PSIG	3/4" 10604	1" 10605	1-1/4" 10606	1-1/2" 10607	2" 10608
15	541,000	876,000	1,515,000	2,061,000	3,397,000
30	827,000	1,339,000	2,316,000	3,151,000	5,193,000
50	1,209,000	1,956,000	3,384,000	4,604,000	7,589,000
100	2,162,000	3,500,000	6,055,000	8,238,000	13,577,000
125	2,639,000	4,272,000	7,390,000	10,054,000	16,571,000
150	3,116,000	5,044,000	8,725,000	11,871,000	19,565,000

10-610 HIGH CAPACITY DISCHARGE PORT					
PSIG	3/4" 10614	1" 10615	1-1/4" 10616	1-1/2" 10617	2" 10618
15	635,000	1,027,000	1,777,000	2,417,000	3,984,000
30	970,000	1,570,000	2,716,000	3,696,000	6,091,000
50	1,418,000	2,295,000	3,969,000	5,400,000	8,900,000
100	2,536,000	4,105,000	7,101,000	9,661,000	15,924,000
125	3,096,000	5,011,000	8,668,000	11,792,000	19,435,000
150	3,655,000	5,916,000	10,234,000	13,923,000	22,947,000

AVAILABLE CONFIGURATIONS

PART NUMBER	SIZE (IN.) FNPT X FNPT	HEIGHT (IN.) (MM)	WIDTH (IN.) (MM)	WEIGHT (LB.) (KG.)
10604	3/4 x 3/4	5.3 (133)	3.2 (81)	2.3 (1.1)
10614	3/4 x 1			
10605	1 x 1	6.7 (170)	4.0 (102)	4.0 (1.8)
10615	1 x 1-1/4			
10606	1-1/4 x 1-1/4	8.4 (213)	5.1 (129)	7.7 (3.5)
10616	1-1/4 x 1-1/2			
10607	1-1/2 x 1-1/2	10.8 (274)	5.9 (150)	11.25 (5.1)
10617	1-1/2 x 2			
10608	2 x 2	14.0 (356)	7.2 (183)	23.5 (10.6)
10618	2 x 2-1/2			