

SAFETY & RELIEF VALVES

Hot Water Boiler Safety Relief Valves

10 SERIES

Brass/bronze safety relief valves protect ASME Section IV hot water heating boilers and hydronic heating systems. High capacity design features corrosion resistant construction. Brass, satin or polished chrome finishes available.

ASME Section IV

Inlet Size 3/4" - Outlet - 3/4" & 1"

Factory set Pressure 20-150 psi

Maximum temperature service: 250°F



Section IV
Heating Boilers

APPLICATIONS:

Ideal for use with hot water boilers and hydronic heating systems.

FEATURES:

- Pressures from 20 to 150 psig
- Registered in all Canadian provinces and territories, CRN #0G8547.5C
- Stainless steel springs standard
- 10-624/634 are ideal for use in various plumbing systems, commercial boiler applications and swimming pool heaters
- 10-418/417 are ideal for use in swimming pool heater applications

OPTIONS:

- Model 10-104 and 10-301 are available with optional satin or polished chrome finish
- 10-321 available in polished chrome only

DIMENSIONS AND WEIGHTS

Model Number	Size(in./mm.)		Certified Pressure Range psig	Height (in./mm.)	Wt./100 (lbs./kg.)
	Inlet NPT	Outlet NPT			
10-102	3/4 F	1 F	20-60	3.94	105
	20 F	25 F		100	47.7
10-104	3/4 M	1 F	20-60	3.75	109
	20 M	25 F		95	49.5
10-301	3/4 M	3/4 F	20-60	3.75	114
	20 M	20 F		95	51.8
10-303	3/4 F	3/4 F	20-60	3.94	115
	20 F	20 F		100	52.3
10-321	3/4 M	3/4 F	20-60	3.75	123
	20 M	20 F		95	55.9
10-407	3/4 M	3/4 F	30	3	62
	20 M	20 F		76	28.2
10-408	3/4 F	3/4 F	30	2.75	65
	20 F	20 F		70	29.5
10-417	3/4 M	3/4 F	20-80	3	62
	20 M	20 F		76	28.1
10-418	3/4 F	3/4 F	20-80	2.75	65
	20 F	20 F		70	29.5
10-624	3/4 M	3/4 F	30-150	4.62	106
	20 M	20 F		117	48.2
10-634	3/4 F	3/4 F	30-150	4.62	106
	20 F	20 F		117	48.2



10-102
10-303



10-104
10-301



10-321



10-407
10-417



10-408
10-418



10-624
10-634 OEM

SAFETY & RELIEF VALVES



Hot Water Boiler Safety Relief Valves

10 SERIES

ASME SECTION IV HOT WATER

British thermal units per hour (Kilocalories per hour) at 10% overpressure. National Board Certified. Ratings are 90% of actual.

US Customary Units Btu/Hr.

Metric Units Kcal/Hr.

Model No.	10-102 10-104	10-301 10-303	10-321	10-407 10-408	10-417 10-418	10-624 10-634	Model No.	10-102 10-104	10-301 10-303	10-321	10-407 10-408	10-417 10-418	10-624 10-634
Set Pressure psig							Set Pressure barg						
5*	-	225,000	175,000	-	-	-	0.34	-	57	44	-	-	-
10*	-	295,000	230,000	-	-	-	0.69	-	74	58	-	-	-
15	-	365,000	285,000	-	-	-	1.03	-	92	72	-	-	-
20	545,000	420,000	325,000	-	377,000	-	1.38	137	106	82	-	95	-
25	625,000	485,000	375,000	-	427,000	-	1.72	158	122	95	-	108	-
30	710,000	550,000	425,000	535,000	477,000	689,000	2.07	179	139	107	135	120	174
35	790,000	610,000	475,000	-	532,000	769,000	2.41	199	154	120	-	134	194
40	870,000	675,000	525,000	-	587,000	848,000	2.76	219	170	132	-	148	214
45	955,000	740,000	575,000	-	642,000	928,000	3.10	241	187	145	-	162	234
50	1,035,000	805,000	625,000	-	697,000	1,007,000	3.45	261	203	158	-	176	254
55	1,115,000	870,000	675,000	-	752,000	1,087,000	3.80	281	219	170	-	190	274
60	1,200,000	935,000	725,000	-	807,000	1,166,000	4.14	303	236	183	-	204	294
65	-	-	-	-	862,000	1,246,000	4.48	-	-	-	-	217	314
70	-	-	-	-	917,000	1,325,000	4.83	-	-	-	-	231	334
75	-	-	-	-	972,000	1,405,000	5.17	-	-	-	-	245	354
80	-	-	-	-	1,027,000	1,484,000	5.51	-	-	-	-	259	374
85	-	-	-	-	-	1,564,000	5.86	-	-	-	-	-	394
90	-	-	-	-	-	1,643,000	6.20	-	-	-	-	-	414
95	-	-	-	-	-	1,723,000	6.55	-	-	-	-	-	435
100	-	-	-	-	-	1,802,000	6.89	-	-	-	-	-	454
105	-	-	-	-	-	1,882,000	7.24	-	-	-	-	-	475
110	-	-	-	-	-	1,961,000	7.58	-	-	-	-	-	495
115	-	-	-	-	-	2,041,000	7.93	-	-	-	-	-	515
120	-	-	-	-	-	2,120,000	8.27	-	-	-	-	-	535
125	-	-	-	-	-	2,199,000	8.62	-	-	-	-	-	555
130	-	-	-	-	-	2,279,000	8.96	-	-	-	-	-	575
135	-	-	-	-	-	2,358,000	9.31	-	-	-	-	-	595
140	-	-	-	-	-	2,438,000	9.65	-	-	-	-	-	615
145	-	-	-	-	-	2,517,000	10.00	-	-	-	-	-	635
150	-	-	-	-	-	2,597,000	10.34	-	-	-	-	-	655

* Pressure settings below 15 psi are non-ASME Code.

P/N SUFFIX KEY

Set Pressure psig	Exterior Finish		
	Plain Brass	Satin Chrome	Polished Chrome
20	-02	-41	-67
22	-03	-42	-68
25	-04	-43	-69
30	-05	-44	-70
35	-06	-45	-71
40	-07	-46	-72
43	-08	-47	-73
45	-09	-48	-74
50	-10	-49	-75
55	-11	-50	-76
60	-12	-51	-77
65	-13		
70	-14		
75	-15		
80	-16		

ORDERING CODE:

Use two-digit suffix number to indicate set pressure and body finish.
Suffix for 10-624 / 10-634 models is actual set pressure in psig.

EXAMPLE:

10-301-44

3/4" 10-301 set @ 30 psig, satin chrome finish.

10-624-125

3/4" 10-624 set @ 125 psig (plain bronze finish only)

NOTE:

- Model 10-321 available in polished chrome finish only.
- All other models are furnished with plain bronze finish.
- Model 10-104 and 10-301 available with optional satin or polished chrome finish.