

10 SERIES

HOT WATER BOILER SAFETY RELIEF VALVES



Brass/bronze pressure 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

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
- **Proudly Made in USA**

OPTIONS

- Models 10-104 and 10-301 are Available with Optional Satin or Polished Chrome Finish
- 10-321 Available in Polished Chrome Only

AVAILABLE CONFIGURATIONS

PART NUMBER	SIZE(IN./MM)		CERTIFIED PRESSURE RANGE PSIG	HEIGHT (IN./MM)	WT./100 (LB./KG)
	INLET NPT	OUTLET NPT			
10-102	3/4F	1F	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



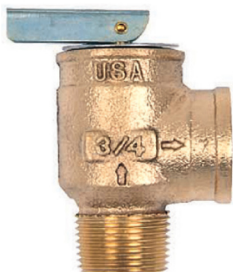
10-102
10-303



10-104
10-301



10-321



10-407
10-417



10-408
10-418



10-624
10-634 OEM

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HOT WATER BOILER SAFETY RELIEF VALVES

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.

PART 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						
5*	-	225,000	175,000	-	-	-
10*	-	295,000	230,000	-	-	-
15	-	365,000	285,000	-	-	-
20	545,000	420,000	325,000	-	377,000	-
25	625,000	485,000	375,000	-	427,000	-
30	710,000	550,000	425,000	535,000	477,000	689,000
35	790,000	610,000	475,000	-	532,000	769,000
40	870,000	675,000	525,000	-	587,000	848,000
45	955,000	740,000	575,000	-	642,000	928,000
50	1,035,000	805,000	625,000	-	697,000	1,007,000
55	1,115,000	870,000	675,000	-	752,000	1,087,000
60	1,200,000	935,000	725,000	-	807,000	1,166,000
65	-	-	-	-	862,000	1,246,000
70	-	-	-	-	917,000	1,325,000
75	-	-	-	-	972,000	1,405,000
80	-	-	-	-	1,027,000	1,484,000
85	-	-	-	-	-	1,564,000
90	-	-	-	-	-	1,643,000
95	-	-	-	-	-	1,723,000
100	-	-	-	-	-	1,802,000
105	-	-	-	-	-	1,882,000
110	-	-	-	-	-	1,961,000
115	-	-	-	-	-	2,041,000
120	-	-	-	-	-	2,120,000
125	-	-	-	-	-	2,199,000
130	-	-	-	-	-	2,279,000
135	-	-	-	-	-	2,358,000
140	-	-	-	-	-	2,438,000
145	-	-	-	-	-	2,517,000
150	-	-	-	-	-	2,597,000

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

METRIC UNITS Kcal/HR.

PART 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 BARG						
0.34	-	57	44	-	-	-
0.69	-	74	58	-	-	-
1.03	-	92	72	-	-	-
1.38	137	106	82	-	95	-
1.72	158	122	95	-	108	-
2.07	179	139	107	135	120	174
2.41	199	154	120	-	134	194
2.76	219	170	132	-	148	214
3.10	241	187	145	-	162	234
3.45	261	203	158	-	176	254
3.80	281	219	170	-	190	274
4.14	303	236	183	-	204	294
4.48	-	-	-	-	217	314
4.83	-	-	-	-	231	334
5.17	-	-	-	-	245	354
5.51	-	-	-	-	259	374
5.86	-	-	-	-	-	394
6.20	-	-	-	-	-	414
6.55	-	-	-	-	-	435
6.89	-	-	-	-	-	454
7.24	-	-	-	-	-	475
7.58	-	-	-	-	-	495
7.93	-	-	-	-	-	515
8.27	-	-	-	-	-	535
8.62	-	-	-	-	-	555
8.96	-	-	-	-	-	575
9.31	-	-	-	-	-	595
9.65	-	-	-	-	-	615
10.00	-	-	-	-	-	635
10.34	-	-	-	-	-	655

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.