



**Section VIII
Pressure Vessels**

10-322 and 10-512 Series ASME Section VIII Steam Safety Valves

ASME Section VIII
 Sizes 1/2" and 3/4"
 Set pressures 8 to 60 psi
 National Board Certified Capacity

Applications: Ideally suited for OEM applications such as steam, carpet and jewelry cleaners, autoclaves, sterilizers, commercial pressure cookers, steam jacketed kettles, coffee makers, dental equipment and similar equipment.

Features

- Stainless steel springs
- Small physical size
- Discharge capacities to 725 lbs./hr.
- Soft seating for exceptional seat tightness
- Pressure settings 15 to 60 psig
- 10-322 in polished chrome only
- CRN OG2663.1C, registered in all Canadian provinces and territories

Options:

- Stainless steel wetted trim
- Electroless nickel plating
- BSP pipe connections



10-512



10-322

Dimensions and Weights

Model Number	Size(In./Mm.)		Pressure Range PSIG	Height (In./Mm.)	Wt./100 (Lbs./Kg.)
	Inlet NPT	Outlet NPT			
10-322	3/4 M	3/4 F	15-60	3-3/4	128
	20	20		95	3251.2
10-512	1/2 M	1/2 F	15-60	2-5/8	58
	15	15		67	1473.2

P/N Suffix Key

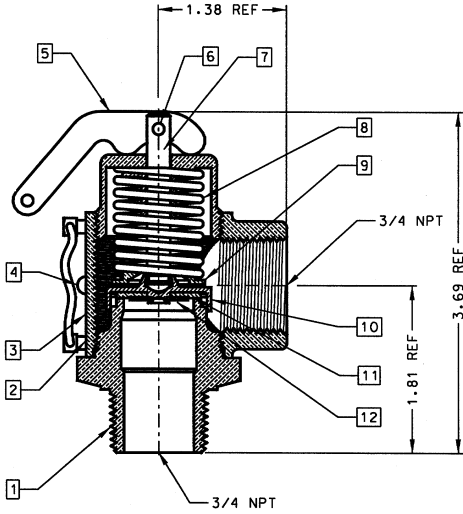
Key Pressure Number	Plain Brass	Satin Chrome	Polished Chrome	*Certified Capacities	
				10.322 Lbs./Hr. Kg./Hr.	10.512 Lbs./Hr. Kg./Hr.
15	-1	-J2	-65	-	151 68.49
20	-2	-41	-67	325	178
				147.42	80.74
25	-4	-43	-69	375	205
				170.1	92.99
30	-5	-44	-70	425	232
				192.78	105.23
35	-6	-45	-71	475	258
				215.46	117.03
40	-7	-46	-72	525	285
				238.14	129.27
45	-9	-48	-74	575	312
				260.82	141.52
50	-10	-49	-75	625	339
				283.5	153.77
55	-11	-50	-76	675	366
				306.17	166.01
60	-12	-51	-77	725	392
				328.85	177.81

Model 10-512 available with optional stainless steel trim.

Use key to designate last two digits of model number. Last two digits indicate pressure and finish. Example: 10-322-67 = 20# pressure, polished chrome

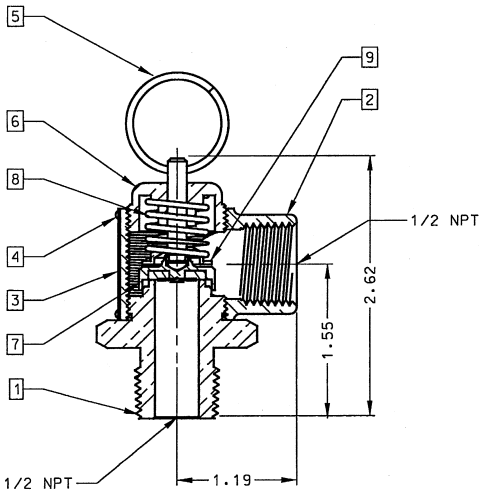
* ASME (UV) Rating – 90% of actual capacity at 10% accumulation. Capacity in lbs. of saturated steam per hour

10-322 and 10-512 Series ASME Section VIII Steam Safety Valves



10-322 Materials

Item	Component	Material
1	NOZZLE	BRASS ASTM B-16
2	BODY	BRASS ASTM B-16
3	NAMEPLATE	ALUMINUM
4	DRIVE SCREW	STEEL, ZINC PLATED
5	HANDLE	STEEL, ZINC PLATED
6	COTTER PIN	STEEL, ZINC PLATED
7	STEM	BRASS ASTM B-16
8	SPRING	STAINLESS STEEL
9	SPR. WASHER	BRASS ASTM B-16
10	DISC	BRASS ASTM B-16
11	SEAT	TEFLON FACED EPDM
12	WASHER	BRASS ASTM B-16



10-512 Materials

Item	Component	Material
1	NOZZLE	BRASS ASTM B-16
2	BODY	BRASS ASTM B-16
3	NAMEPLATE	ALUMINUM
4	DRIVE SCREW	STEEL, ZINC PLATED
5	PULL RING	STEEL, ZINC PLATED
6	CAP	BRASS ASTM B-16
7	DISC ASSEMBLY	BRASS, SILICONE
8	SPRING	STAINLESS STEEL
9	SPR. WASHER	BRASS ASTM B-16