

# SAFETY & RELIEF VALVES

## OEM Style Steam Safety Relief Valves

### 10-322 AND 10-512 SERIES



10-512



10-322

National Board capacity-certified safety valves; brass body with optional satin or polished chrome finish. Protects against excess pressure from thermal expansion and steam caused by failure of Btu input controls.

#### ASME Section VIII

Sizes 1/2" and 3/4"

Factory set pressures 15 to 60 psig@312°F max

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, dental equipment, coffee makers 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 (10-322-P)
- CRN OG8547.5C, registered in all Canadian provinces and territories
- More descriptive model numbering system

#### OPTIONS:

(Model 10-512 Only)

- Satin or polished chrome finish
- Stainless steel wetted trim
- BSP pipe connections
- CE/PED compliance

#### P/N SUFFIX KEY

Set Pressure psig	*Certified Capacities	
	10.322 lbs.hr.	15.512 lbs.hr.
15	-	151
20	325	178
25	375	205
30	425	232
35	475	258
40	525	285
45	575	312
50	625	339
55	675	366
60	725	392

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

#### DIMENSIONS AND WEIGHTS

Model Number	Size (in./mm.)		Set Pressure Range psig	Height (in./mm.)	Wt./100 (lbs./kg.)
	Inlet NPT	Outlet NPT			
10-322	3/4 M	3/4 F	20-60	3.75	128
	20	20		95	58.2
10-512	1/2 M	1/2 F	15-60	2.62	58
	15	15		67	26.4

#### MODEL NUMBERING SYSTEM

10 - X	-X	-XX	-X
MODEL AND SIZE (IN.)	FINISH	SET PRESSURE	OPTIONS
512 = 1/2 x 1/2 322 = 3/4 x 3/4	B = Plain Brass S = Satin Chrome P = Polished Chrome	Set Pressure in PSIG (2 Digits)	B = BSPP connections CE = PED/CE S = Stainless Steel trim V = Viton® Seat X = Blank Outlet not threaded

#### EXAMPLE:

10-322-P-20

3/4" 10-322 set @ 20 psig, polished chrome finish.

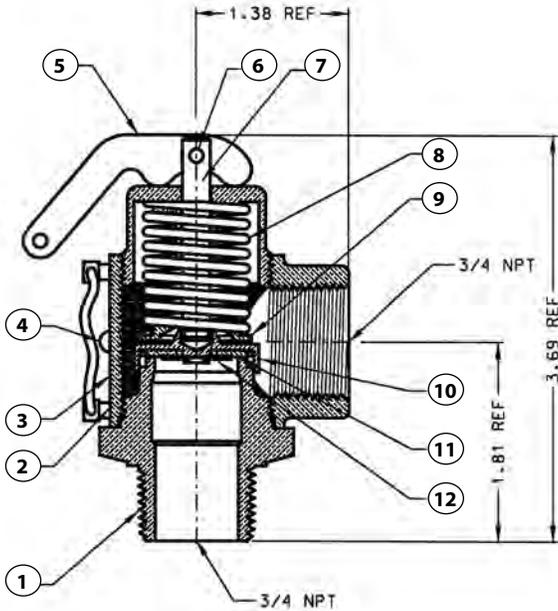
#### NOTE:

- Model 10-322 available in polished chrome finish only.
- Valves may be set for any pressure between 15 and 60 psig.

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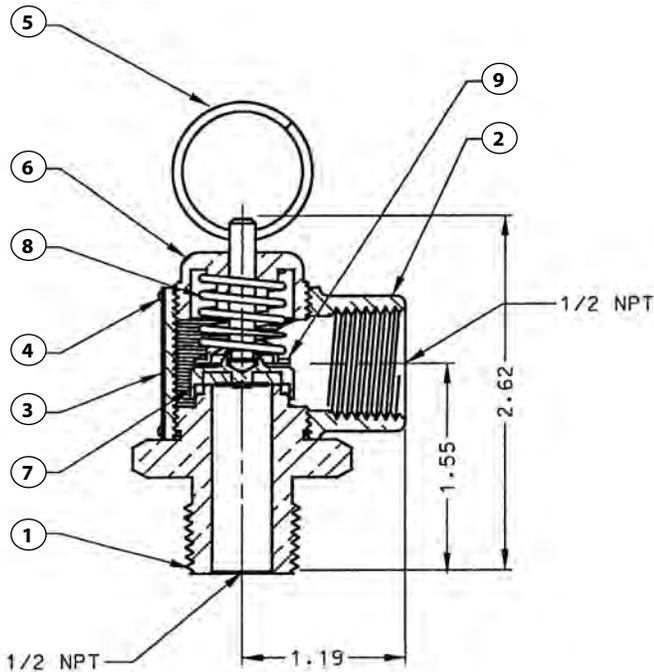
### 10-322 SERIES



### 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	Spring Washer	Brass ASTM B-16
10	Disc	Brass ASTM B-16
11	Seat	Teflon Faced EPDM
12	Washer	Brass ASTM B-16

### 10-512 SERIES



### 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	Spring Washer	Brass ASTM B-16

Model 10-512 available with optional stainless steel wetted trim. Nozzle, disc holder and disc washer are type 316 stainless steel.