

Series 140 Safety Valves

**Series
140**



**Series
143**



**Series
140**



Lift Lever Option

Series 140 – 141 – 143

Series 140 Safety Relief Valves are designed for medium capacity applications where a smaller sized valve is needed. Essential for light and medium capacity situations where a smaller sized valve is required. Designed, tested and built for heavy-duty applications. Available in 2 Orifice sizes with a maximum 450 P.S.I. set pressure.

Usages:

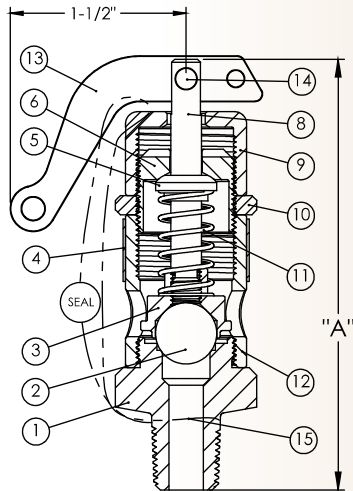
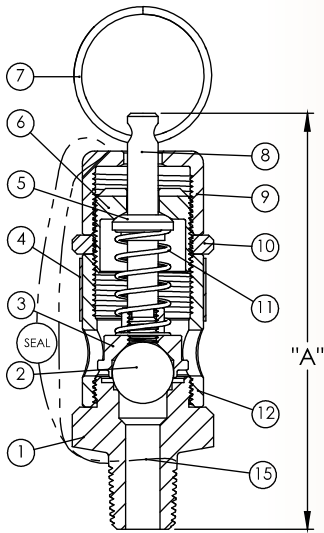
- Compressors, Air and Gas receivers
- Gas lines, Steam lines
- Piping system/tanks
- Steam cleaners, Sterilizers, Autoclaves

Features:

- Pressures to 450 P.S.I.
- Economical
- Stainless Steel Spring
- Stainless Steel Ball Disc
- Fixed blow-down
- Factory preset to specified pressures

Options:

- BSPT Inlet
- Female Inlet
- Oxygen Cleaning
- Stainless Steel Construction
- Pull Ring or Lift Lever



Series 140 - 141 - 143				
Item	Description	Materials		
		140	141	143
1	Body	B16 Brass	316 Stainless	316 Stainless
2	Disk	440 Stainless	440 Stainless	440 Stainless
3	Disk Holder	B16 Brass	B16 Brass	316 Stainless
4	Name Plate	Stainless	Stainless	Stainless
5	Spring Plate	B16 Brass	B16 Brass	316 Stainless
6	Pressure Screw	B16 Brass	B16 Brass	316 Stainless
7	Pull Ring	Plated Steel	Plated Steel	Stainless
8	Spring Post	B16 Brass	B16 Brass	316 Stainless
9	Hood	B16 Brass	B16 Brass	316 Stainless
10	Lock Nut	B16 Brass	B16 Brass	316 Stainless
11	Spring	302 / 17-7 SS	302 / 17-7 SS	302 / 17-7 SS
12	Bonnet	B16 Brass	B16 Brass	316 Stainless
13	Lift Lever	Plated Steel	Plated Steel	Plated Steel
14	Lever Pin	Brass	Brass	Plated Brass
15	Seal Wire	Steel / Lead	Steel / Lead	Stainless / Lead

Series 140 - 141 - 143					
Orifice	Area	Inlet	"A" Dimension		Max. Set Pressure
			Pull Ring	Lift Lever	
"A"	.062 In. ²	1/4"	3-3/8"	3-1/2"	450 P.S.I.
		3/8"	3-3/8"	3-1/2"	
		1/2"	3-3/8"	3-1/2"	
"B"	.119 In. ²	3/8"	3-3/4"	3-7/8"	
		1/2"	3-3/4"	3-7/8"	
		3/4"	3-3/4"	3-7/8"	

Series 140 - 141 - 143 Capacity Air SCFM @ 10% over set pressure																	
Set PSI	10	20	30	40	50	60	70	80	90	100	150	200	250	300	350	400	450
"A" orifice SCFM	24	34	44	54	64	75	85	95	105	115	166	217	268	319	369	420	471
"B" orifice SCFM	38	55	71	87	104	120	136	153	169	185	267	349	431	513	594	676	758

Series 140 - 141 - 143 Capacity Air Nm³/hr @ 10% over set pressure																	
Set Bar	1	2	3	4	5	6	7	8	9	10	11	12	15	20	25	30	31
"A" orifice Nm ³ /hr	48	73	98	123	148	173	198	223	248	273	298	324	399	524	649	774	799
"B" orifice Nm ³ /hr	77	118	158	198	239	279	319	359	400	440	480	521	642	843	1044	1246	1286

Series 140 Part Numbers								
140	BC	1	M	7	N	1	125	
Series	Desc.	Orifice x Inlet	Connection	Seating	Cap	Service	Options	Set
140	Brass	AA- 0.28 x 1/4"	1- NPT Male	M- Metal	1- Lift Lever	K- ASME VIII Air/gas	1- None	Ex.125
141	Stainless / Brass	AB- 0.28 x 3/8"	2- NPT Female		7- Pull Ring		N- Non-code Air/gas	
143	Full Stainless	AC- 0.28 x 1/2"	3- BSPT Male		T- Non-code Steam			
		BB- 0.39 x 3/8"	4- BSPT Female					
		BC- 0.39 x 1/2"						
		BD- 0.39 x 3/4"						