

SERIES 120 SAFETY VALVES



**SERIES
120**



**SERIES
125**

SERIES 120-125

Our Series 120 air/gas and steam safety valve is designed for safety and pressure relief for light and medium capacity applications where a smaller sized valve is needed. The series 120 valves have a higher capacity than our Series 130. Many are manufactured to meet specific field and OEM applications. ASME and National Board Certified for Section VIII as well as CRN Certifications.

Usages: High quality smaller valve, Compressors, Receivers, Gas lines, Steam lines, Air and Gas receivers, Piping system/tanks, Steam cleaners, sterilizers, Autoclaves

Features:

- Fixed blow-down
- Brass/bronze construction
- Metal-to-metal seating
- Rugged, yet economical
- Stainless steel springs
- Factory set and sealed
- Excellent seat tightness

Options:

- Stainless body and disk
- Polishing and chrome plating
- Oxygen cleaning
- Variety of inlets/outlets and lift levers or pull ring
- Many configurations (not shown)
- BSPT connections

Set pressures below 15 PSI (1.03 Bar) and above 200 PSI (17.2 bar) are NON-Code. Maximum back-pressure is 10% of set pressure or 50 PSI (3.45 Bar) whichever is less.

Lifting Device as required by the ASME,

ASME Section VIII: UG136(3)

Each pressure relief valve on air, water at the valve inlet that exceeds 140°F (60°C), excluding overpressure or relief events, or steam service shall have a substantial lifting device which when activated will release the seating force on the disc when the pressure relief valve is subjected to a pressure of at least

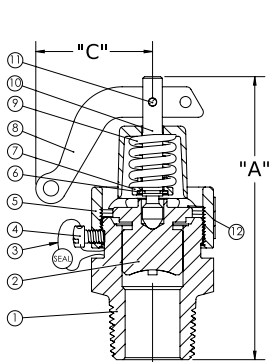
75% of the set pressure of the valve.



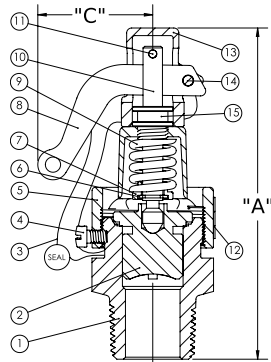
SERIES 120 THRU 126 PART NUMBERS

121	B	A	1	M	1	K	1	125
SERIES DESCRIPTION	INLET/OUTLET	METALS	CONNECTION	SEATING	CAP	SERVICE	OPTIONS	SET
120- Top Outlet w/Lift Lever	A- 1/2" B- 3/4"	A- Brass Bronze	1- NPT MxF 2- NPT FxF	M- METAL	1- Lift lever H- Hood and Lift Lever	K- ASME VIII-Air/Gas L- ASME VIII-Steam N- Non-Code Air/Gas T- Non-Code Steam	1- None 2- Chrome Plating 3- 02 Cleaned	Ex.250
121- Top Outlet Hood And Lift Lever	C- 1" *D- 1" X 1"	B- 316 SS Bronze	3- BSPT MxF 4- BSPT FxF					
125- Side Outlet Hood And Lift Lever	A- 1/4" X 1/2" B- 3/8" X 1/2"							
126- Side Outlet Closed Cap	C- 1/2" X 1/2" *D- 1" X 1"							

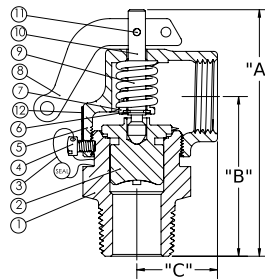
* INLET/OUTLET "D" ARE NON-CODE VALVES



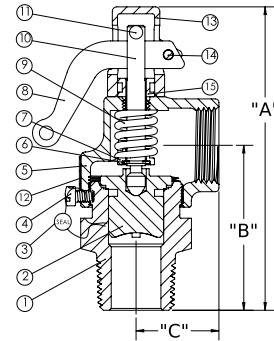
Series 120



Series 121



Series 125



Series 125

SERIES 120 THRU 126

NO.	DESCRIPTION	BRASS	STAINLESS STEEL
1	Body	B16	316 Stainless
2	Disc	Bronze	316 Stainless
3	Seal Wire	Steel/Lead	Steel/Lead
4	Lock Screw	B16	B16
5	Bonnet	Bronze	Bronze
6	Support	Stainless	Stainless
7	Spring Plate	Brass	Brass
8	Lift Lever	Plated Steel	Plated Steel
9	Spring	Stainless	Stainless
10	Spring Post	B16	B16
11	Lift Pin	B16	B16
12	Nameplate	Stainless	Stainless
13	Hood	Bronze	Bronze
14	Lever Pin	B16	B16
15	Hood Mount	B16	B16

SERIES 120 CAPACITY AIR @10% Over Set Pressure

Set PSI	10	15	20	25	40	50	75	100	125	150	175	200
SCFM	29	34	39	44	61	72	101	129	158	186	215	243

SERIES 120 CAPACITY STEAM @10% Over Set Pressure

Set PSI	10	15	20	25	40	50	75	100	125	150	175	200
LBS/HR	81	95	110	124	171	203	283	363	443	523	603	683

SERIES 120 THRU 126

SERIES	INLET	OUTLET	SEAT	DIMENSIONS (MM)			MAX. SET PSI-(Barg)	WEIGHT LBS-(Kg)
				A	B	C		
120	1/2"-3/4"-1"	TOP	3/4"	3-1/2" (89)	-	1-1/2" (38)	200 (13.8)	.5 (.23)
120*	1"	TOP	1"	3-3/4" (95)	-	1-1/2" (38)	200 (13.8)	1.1 (.51)
121	1/2"-3/4"-1"	TOP	3/4"	4-1/8" (105)	-	1-3/8" (35)	200 (13.8)	.8 (.34)
121*	1"	TOP	1"	4-1/2" (114)	-	1-3/8" (35)	200 (13.8)	1.3 (.57)
125	1/2"-3/4"-1"	3/4"	3/4"	3-1/2" (89)	2-1/4" (57)	1-1/8" (29)	200 (13.8)	.5 (.23)
125*	1"	1"	1"	3-3/4" (95)	2-5/8" (67)	1-3/8" (35)	200 (13.8)	1.1 (.51)
126	1/2"-3/4"-1"	3/4"	3/4"	4-1/8" (105)	2-1/4" (57)	1-1/8" (29)	200 (13.8)	.6 (.28)
126*	1"	1"	1"	4-1/2" (114)	2-5/8" (67)	1-3/8" (35)	200 (13.8)	1.1 (.51)

SERIES 130 SAFETY VALVES



**SERIES
130**



**SERIES
135**

SERIES 130-135

Our Series 130 air/gas and steam safety valves are designed for safety and pressure relief for light and medium capacity applications; where a smaller sized valve is needed. Many are manufactured to meet specific field and OEM applications. ASME and National Board Certified for Section VIII as well as CRN Certifications.

Usages: Compressors, Receivers, Gas lines, Steam lines, Air and Gas receivers, Piping system/tanks, Steam cleaners, sterilizers, Autoclaves.

Features:

- Fixed blow-down
- Brass/bronze construction
- Metal-to-metal seating
- Rugged, yet economical
- Stainless steel springs
- Factory set and sealed
- Excellent seat tightness

Options:

- Stainless body and disk
- Polishing and chrome plating
- Oxygen cleaning
- Variety of inlets/outlets and lift levers or pull ring
- BSPT connections

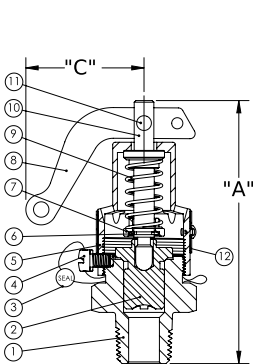
Set pressures below 15 PSI (1.03 Bar) and above 200 PSI (17.2 bar) are NON-Code.
Maximum back-pressure is 10% of set pressure or 50 PSI (3.45 Bar) whichever is less.
Lifting Device as required by the ASME,
ASME Section VIII: UG136(3)

Each pressure relief valve on air, water at the valve inlet that exceeds 140°F (60°C), excluding overpressure or relief events, or steam service shall have a substantial lifting device which when activated will release the seating force on the disc when the pressure relief valve is subjected to a pressure of at least 75% of the set pressure of the valve.

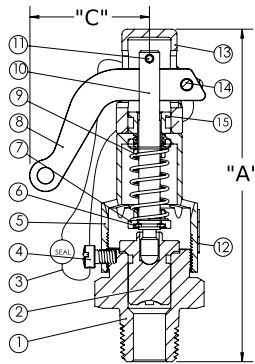


SERIES 130 THRU 135 PART NUMBERS

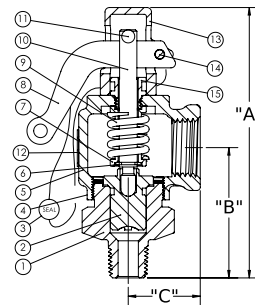
130	B	A	1	M	1	K	1	125
SERIES DESCRIPTION	INLET/OUTLET	METALS	CONNECTION	SEATING	CAP	SERVICE	OPTIONS	SET
130- Top Outlet w/Lift Lever	A- 1/4" B- 3/8"	A- Brass Bronze	1- NPT MxF 2- NPT FxF	M- METAL	1- Lift lever 2- Closed Cap	K- ASME VIII-Air/Gas L- ASME VIII-Steam	1- None 2- Chrome Plating	Ex.250
132- Top Outlet Hood And Lift Lever	C- 1/2"	B- 316 SS Bronze	3- BSPT MxF 4- BSPT FxF		H- Hood and Lift Lever	N- Non-Code Air/Gas T- Non-Code Steam	3- O2 Cleaned	
133- Side Outlet Hood And Lift Lever	A- 1/4" X 1/2" B- 3/8" X 1/2"							
135- Side Outlet Closed Cap	C- 1/2" X 1/2"							



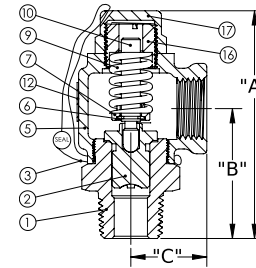
Series 130



Series 131



Series 133



Series 135

SERIES 130 THRU 135

NO.	DESCRIPTION	BRASS	STAINLESS STEEL
1	Body	B16	316 Stainless
2	Disc	Bronze	316 Stainless
3	Seal Wire	Steel/Lead	Steel/Lead
4	Lock Screw	B16	B16
5	Bonnet	Bronze	Bronze
6	Support	Stainless	Stainless
7	Spring Plate	Brass	Brass
8	Lift Lever	Plated Steel	Plated Steel
9	Spring	Stainless	Stainless
10	Spring Post	B16	B16
11	Lift Pin	B16	B16
12	Nameplate	Stainless	Stainless
13	Hood	Bronze	Bronze
14	Lever Pin	B16	B16
15	Hood Mount	B16	B16

SERIES 130 CAPACITY AIR @10% Over Set Pressure

Set PSI	10	20	30	40	50	60	75	100	125	150	175	200
SCFM	11	15	19	24	28	33	39	50	61	72	84	95

SERIES 130 CAPACITY STEAM @10% Over Set Pressure

Set PSI	10	20	30	40	50	60	75	100	125	150	175	200
LBS/HR	31	43	54	66	79	91	110	141	172	203	234	265

SERIES 130 THRU 135

SERIES	INLET	OUTLET	SEAT	DIMENSIONS (MM)			MAX. SET PSI-(Barg)	WEIGHT LBS-(Kg)
				A	B	C		
130	1/4"-3/8"-1/2"	TOP	1/2"	3-1/4" (83)	-	1-1/2" (38)	200 (13.8)	1/2 (.2)
132	1/4"-3/8"-1/2"	TOP	1/2"	3-7/8" (98)	-	1-3/8" (35)	200 (13.8)	3/4 (.3)
133	1/4"-3/8"-1/2"	1/2"	1/2"	3-3/4" (95)	1-7/8" (48)	1-3/8" (35)	200 (13.8)	5/8 (.3)
135	1/4"-3/8"-1/2"	1/2"	1/2"	3" (76)	1-3/4" (44)	1-1/8" (29)	200 (13.8)	5/8 (.3)