

SERIES 120 SAFETY VALVES

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.

SERIES 120

Top outlet, open lift lever.

Temperatures -20°F (-29°C) to 406°F (208°C)

ASME and National Board Certified for Section VIII as well as CRN Certifications.

SERIES 121

Top outlet, lift lever and a cap.

Temperatures -20°F (-29°C) to 406°F (208°C)

ASME and National Board Certified for Section VIII as well as CRN Certifications.

SERIES 125

Side outlet bonnet with open lift lever.

Temperatures -20°F (-29°C) to 406°F (208°C)

ASME and National Board Certified for Section VIII as well as CRN Certifications.

SERIES 126

Side outlet bonnet, with a lift lever and a cap.

Temperatures -20°F (-29°C) to 406°F (208°C)

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
- Variety of inlets/outlets and lift levers or pull ring
- Many configurations (not shown)
- O2 Cleaning
- BSPT connections

Set pressures below 15 PSI (1.03 Bar) and above 200 PSI (13.8 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 over-pressure 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.

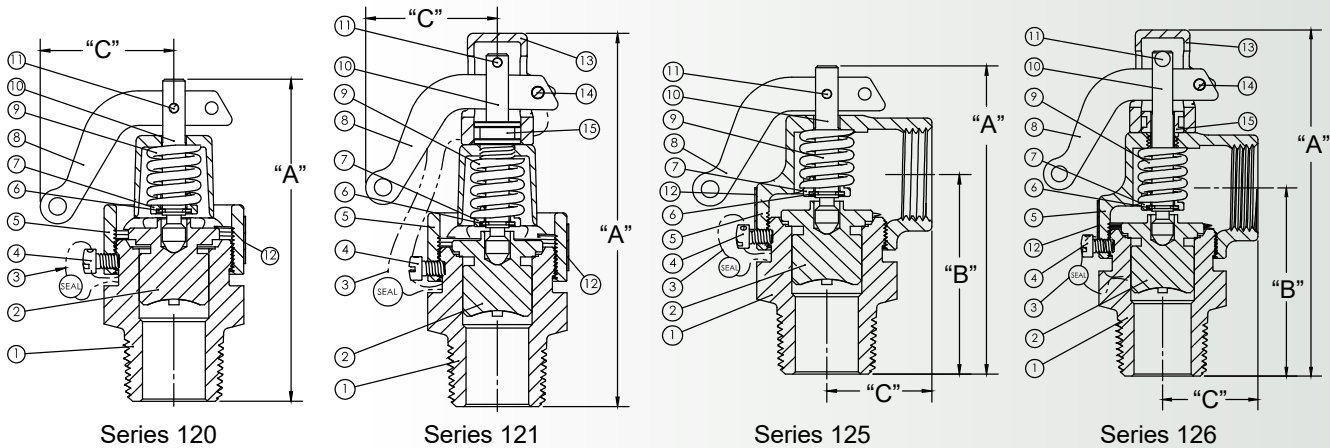


SERIES 120 INFORMATION

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- O2 Cleaned	Ex.125
121 Top Outlet Hood And Lift Lever	C- 1" *D- 1"	B- 316 SS Bronze	3- BSPT MxF 4- BSPT FxF					
125 Side Outlet w/Lift Lever	A- 1/2" x 3/4" B- 3/4" x 3/4"							
126 Side Outlet Hood And Lift Lever	C- 1" x 3/4" *D- 1" x 1"							

* Inlet/Outlet 'D' are non-code valves



SERIES	INLET SIZES	METALS	MIN. TEMP °F (°C)	MAX. TEMP °F (°C)	MAX PRESSURE ^{1,2} PSI (BAR)	SERVICES	CERTIFICATIONS
Series 120	1/2", 3/4", 1"	Brass/Bronze	-20° (-29°)	406° (208°)	200 (13.8)	Air / Gas / Steam	ASME VIII
	1/2", 3/4", 1"	Stainless/Bronze	-20° (-29°)	425° (218°)	200 (13.8)	Air / Gas / Steam	ASME VIII

SERIES 120 CAPACITY AIR - SCFM

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

SERIES 120 THRU 126

ITEM	DESCRIPTION	BRASS OPTION	STAINLESS OPTION
1	Body	B16 Brass	SA479-316 SS
2	Disc	B62-C83600	SA479-316 SS
3	Seal Wire	Steel/Lead	Steel/Lead
4	Lock Screw	B16 Brass	B16 Brass
5	Bonnet	B584-C84400	B584-C84400
6	Support	Stainless	Stainless
7	Spring Plate	B16 Brass	B16 Brass
8	Lift Lever	Plated Steel	Plated Steel
9	Spring	302 SS	302 SS
10	Spring Post	B16 Brass	B16 Brass
11	Lift Pin	B16 Brass	B16 Brass
12	Nameplate	Stainless	Stainless
13	Hood	B584-C84400	B584-C84400
14	Lever Pin	B16 Brass	B16 Brass
15	Hood Mount	B16 Brass	B16 Brass

SERIES 120 CAPACITY STEAM - Lbs/hr

SLOPE	SET PSI	10	15	20	25	40	50	75	100	125	150	175	200
2.910	Lbs./Hr	81	95	110	124	171	203	283	363	443	523	603	683

Set pressures not limited to this chart. Specify when ordering.

Capacities are at 3 PSI or 10% (whichever is greater) over set pressure

SERIES 120 THRU 126

SERIES	INLET	OUTLET	SEAT	DIMENSIONS - in (mm)			MAX SET PSI - (BAR)	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)	0.5 (0.2)
120*	1"	Top	1"	3-3/4" (95)	-	1-1/2" (38)	200 (13.8)	1.1 (0.5)
121	1/2"-3/4"-1"	Top	3/4"	4-1/8" (105)	-	1-3/8" (35)	200 (13.8)	0.8 (0.3)
121*	1"	Top	1"	4-1/2" (114)	-	1-3/8" (35)	200 (13.8)	1.3 (0.6)
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)	0.5 (0.2)
125*	1"	1"	1"	3-3/4" (95)	2-5/8" (67)	1-3/8" (35)	200 (13.8)	1.1 (0.5)
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)	0.6 (0.3)
126*	1"	1"	1"	4-1/2" (114)	2-5/8" (67)	1-3/8" (35)	200 (13.8)	1.1 (0.5)

* 1" seat is non-code