

# SERIES 140 SAFETY VALVES

## SERIES 140

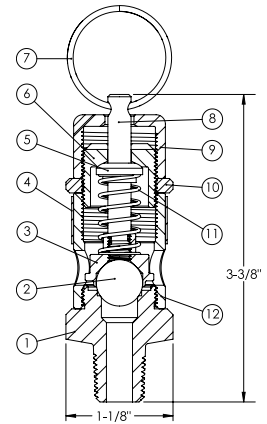


## SERIES 143



The NEW Aquatrol Series 140 valve line is designed for air/gas safety. Compact in nature, yet rugged in all aspects of design and construction. The 140 series offers excellent fast acting reseating that minimizes loss of medium. High capacity flow rates. ASME and National Board Certified for Section VIII air and inert gases

- Usages:**
- Compressors, Air/Gas receivers
  - Tanks, pressurized lines, tanks and Equipment
- Features:**
- Precise/accurate set pressures
  - Polished ball-seat in stainless steel
  - Pressures to 450 PSI
  - Fast acting fixed blowdown
  - High flow capacity
- Options:**
- BSPT and BSPP connection
  - Female connection
  - 100% stainless steel valve
  - Stainless steel body/brass bonnet
  - Pull ring (std) or Lift lever



### SERIES 140 THRU 143

ORIFICE	SLOPE	INLET	"A" DIMENSION		MAX. SET PRESSURE
			PILL RING	LIFT LEVER	
"A"	0.924	1/4"	3-3/8"	3-1/2"	450 P.S.I.
		1/4"	3-3/8"	3-1/2"	
		1/2"	3-3/8"	3-1/2"	
"B"	1.487	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 AIR CAPACITY SCFM @ 10% Over Set Pressure

Set PSI	20	40	60	80	100	200	300	400	450
"A" orifice SCFM	34	54	75	95	115	217	319	420	471
"B" orifice SCFM	55	87	120	153	185	349	513	676	758

### SERIES 140 THRU 143

NO.	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 PART NUMBERS

140	BC	1	M	7	N	1	125
SERIES/DESCRIPTION	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	3- O2 Cleaned	
143 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"	8- BSPP Male					
	BD- 0.39 X 3/4"	9- BSPP Female					

