# **Safety Check Valves**

## **Applications**

- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.



#### **Features**

- · High-flow valve provides optimum performance
- · Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- · Does not prevent backflow

#### **Materials**

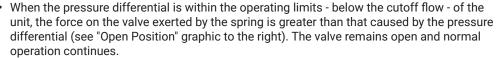
- · Solid brass body and valve
- · Stainless steel spring and roll pin

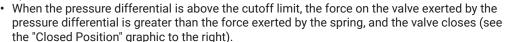
### **Specifications**

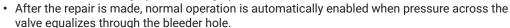
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines
- · Maximum operating pressure: 350 PSI
- Maximum temperature: 250°F (121°C)

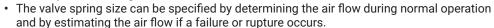


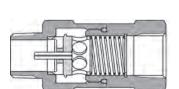
 Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve





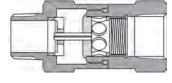






Flow Direction

Open Position



**Closed Position** 

NPT & Hose I.D. Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #	NPT & Hose I.D. Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #
1/4"	23-29	SCVL2		260-290	SCVL10
3/8"	30-36	SCVL3	1-1/4"	300-340	SCVM10
	39-47	SCVM3	1-1/4	440-500	SCVS10
	52-65	SCVS3		570-630	SCVH10
1/2"	70-78	SCVM4		300-360	SCVL12
	80-96	SCVS4		470-530	SCVM12
3/4"	72-88	SCVL6	1-1/2"	564-602	SCVX12
	92-108	SCVM6		640-720	SCVS12
	112-128	SCVR6		750-830	SCVH12
	132-148	SCVJ6	2"	510-590	SCVL16
	160-180	SCVS6		725-825	SCVM16
	180-200	SCVH6		900-1050	SCVS16
1"	165-195	SCVL8		1100-1200	SCVH16
	220-260	SCVM8		1200-1400	SCVL24
	280-320	SCVS8	3"	2400-2700	SCVS24
	310-340	SCVH8		2850-3050	SCVH24