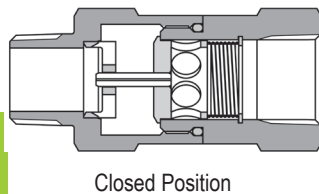
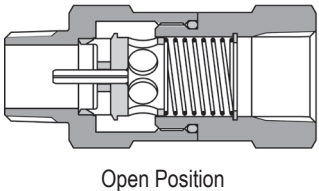
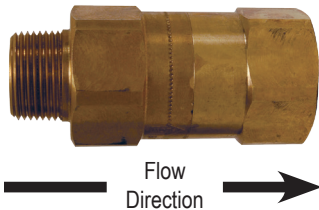


Safety Check Valves

Valves



Application:

- 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
- solid brass body and valve
- stainless steel spring and roll pin
- maximum operating pressure: **350 PSI**
- maximum temperature: **250°F (121°C)**
- does not prevent backflow

Specification:

- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

How It Works:

- 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.
- When the pressure differential is within the operating limits - below the cutoff flow - of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic above). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the "Closed Position" graphic above).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.

NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass		NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass	
		Part #	Price/E			Part #	Price/E
1/4"	23-29	SCVL2	\$65.08	1 1/4"	260-290	SCVL10	\$242.37
	30-36	SCVL3	61.05		300-340	SCVM10	242.37
	39-47	SCVM3	61.05		440-500	SCVS10	242.37
	52-65	SCVS3	61.05		570-630	SCVH10	242.37
1/2"	70-78	SCVM4	65.55	1 1/2"	300-360	SCVL12	406.54
	80-96	SCVS4	65.55		470-530	SCVM12	406.54
	72-88	SCVL6	103.75		564-602	SCVX12	406.54
	92-108	SCVM6	103.75		640-720	SCVS12	406.54
3/4"	112-128	SCVR6	103.75	2"	750-830	SCVH12	406.54
	132-148	SCVJ6	103.75		510-590	SCVL16	555.14
	160-180	SCVS6	103.75		725-825	SCVM16	555.14
	180-200	SCVH6	103.75		900-1050	SCVS16	555.14
1"	165-195	SCVL8	117.33	3"	1100-1200	SCVH16	555.14
	220-260	SCVM8	117.33		1200-1400	SCVL24	2357.34
	280-320	SCVS8	117.33		2400-2700	SCVS24	2357.34
	310-340	SCVH8	117.33		2850-3050	SCVH24	2357.34