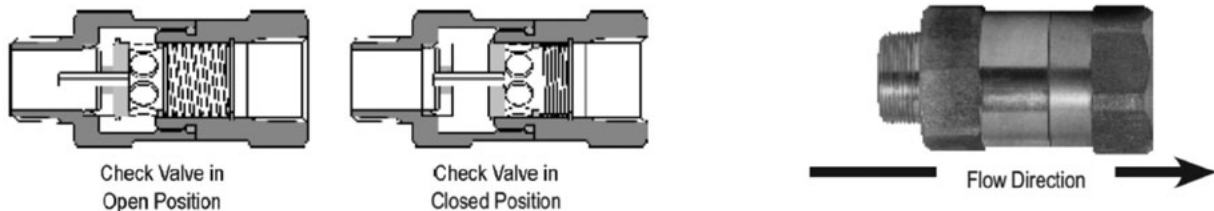


Safety Check Valves



Features

- does not prevent backflow
- high flow valve to provide optimum performance
- controls excess air flow (SCFM) in only one direction
- 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.
- 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
- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines
- applications include temporary plant/factory air, construction sites, shipyards or utilities

Construction

- solid brass body and valve
- stainless steel spring roll pin
- maximum working pressure: **250 PSI**
- maximum temperature: **250°F**

Use

- Safety check valves operate by using 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 equalises 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.

BSP/Npt Thread and Hose Size	Part number	Cut-off Flow Rate SCFM @ 90 PSI	Selling price
1/4"	SCVL2	23-29	R 481.97
3/8"	SCVL3	39-47	R 452.20
3/8"	SCVS3	52-65	R 452.20
1/2"	SCVM4	70-78	R 485.56
1/2"	SCVS4	80-96	R 485.56
3/4"	SCVL6	72-88	R 768.30
3/4"	SCVM6	92-108	R 768.30
3/4"	SCVR6	112-128	R 768.30
3/4"	SCVJ6	132-148	R 768.30
3/4"	SCVS6	160-180	R 768.30
3/4"	SCVH6	180-200	R 768.30
1"	SCVL8	165-195	R 869.07
1"	SCVM8	220-260	R 869.07
1"	SCVS8	280-320	R 869.07
1"	SCVH8	310-340	R 869.07
1 1/4"	SCVL10	260-290	R 1 795.13
1 1/4"	SCVM10	300-340	R 1 795.13
1 1/4"	SCVS10	440-500	R 1 795.13
1 1/4"	SCVH10	570-630	R 1 795.13
1 1/2"	SCVL12	300-360	R 3 011.00
1 1/2"	SCVM12	470-530	R 3 011.00
1 1/2"	SCVS12	640-720	R 3 011.00
1 1/2"	SCVH12	750-830	R 3 011.00
2"	SCVL16	510-590	R 4 111.39
2"	SCVM16	725-825	R 4 111.39
2"	SCVS16	900-1050	R 4 111.39
2"	SCVH16	1100-1200	R 4 111.39
3"	SCVL24	1200-1400	R 17 458.59
3"	SCVL24	2400-2700	R 17 458.59
3"	SCVH24	2850-3050	R 17 458.59

Important notes

- Availability is to be confirmed with every request until stock level has been established.
- The coupling can only be used with the respective nominal bore size of the hose.
- All pricing excludes express courier charges and are priced as net pricing.

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