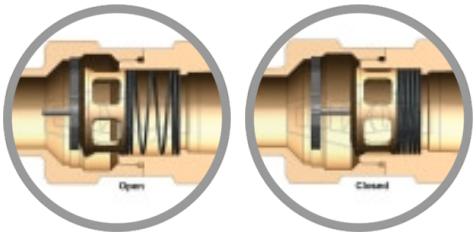
SAFETY CHECK VALVE





** Referential image*
*** Some features may vary without prior notice. Sale subject to inventory availability*

DATE
: 11/23/2026 05:44 PM

SKU
: 19042

BRAND
: DIXON VALVE

MODEL
: SCVS16

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

Features:
High flow valve to provide 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

Construction:
Solid brass body and valve
Stainless steel spring and roll pin

How it works:
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 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. 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.
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 air flow if a failure or rupture occurs.

Safety notes:

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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.

Does not prevent backflow

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

TECHNICAL SPECIFICATIONS

Cut - Off Flow Rate	900 - 1050 SCFM at 90 PSI
Factory Part Number	SCVS16
Material	Brass
Maximum Operating Pressure	350 PSI (24 bar)
Maximum Temperature	250°F (121°C)
Size	2"
Weight Lb	8.7400

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