

Safety Check Valves & Excess Flow

- Details:** For portable air compressors. Complies with OSHA requirements. Full flow and functions efficiently at high discharge temperatures. Automatically and instantly protects against hose whip. Resets automatically after airline re-pressurises
- Sizes:** 1/4" to 3"
- Materials:** Brass body and valve construction
Stainless Steel spring and roll pin
- Pressure:** Maximum working pressure 250 psi / 17 bar
- Temperature:** Maximum 121°C (250°F)
- Purpose:** Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve rating. Fully conforms to OSHA regulation 1926.302 requiring safety device at source of air supply and at branch air lines. Controls air flow in only one direction, however, permits flow in either direction.
- Use:** The cut off flow of the selected valve must be less than the actual flow that would occur should a hose or coupling fail. The valve selection must be based on additional guidelines other than compressor rating or hose size. Air flow (scfm) varies with distance of flow and restrictions within each system. Select the pipe size which is the same as the hose with which it will be used. To avoid nuisance cut-offs, the valve should have a nominal cut-off rating of 110% of the maximum consumption of the air tool to be used. Install a cut off valve in each line and branch line subject to rupturing or accidental disconnection. Test each valve for proper function at installation and periodically thereafter. The only time one of these valves will not perform properly is when the tool usage and maximum line flow are close to equal. When start-up is underway, open the Air Control Valve at the Compressor or Manifold VERY SLOWLY to allow air to bleed through the Check Valve so that pressure is equalised on each side of the valve. If the valve fails to operate despite meeting all conditions, check the hose line for obstructions or a Hose Mender restricting normal air flow.

For Rotary Screw & Rotary Vane and Reciprocating Compressors

SAFETY CHECK VALVES & EXCESS FLOW



PART NO.	BSP & HOSE I.D. SIZE	CUT-OFF FLOW RATE (CFM at 90 psi)
SCVL2-BSP	1/4"	23-29
SCVM3-BSP	3/8"	39-47
SCVS3-BSP	3/8"	52-65
SCVM4-BSP	1/2"	70-78
SCVS4-BSP	1/2"	80-96
SCVL6-BSP	3/4"	72-88
SCVM6-BSP	3/4"	92-108
SCVR6-BSP	3/4"	112-128
SCVJ6-BSP	3/4"	132-148
SCVS6-BSP	3/4"	160-180
SCVH6-BSP	3/4"	180-200
SCVL8-BSP	1"	165-195
SCVM8-BSP	1"	220-260
SCVS8-BSP	1"	280-320
SCVH8-BSP	1"	310-340
SCVL10-BSP	1 1/4"	260-290
SCVM10-BSP	1 1/4"	300-340
SCVS10-BSP	1 1/4"	440-500
SCVH10-BSP	1 1/4"	570-630
SCVL12-BSP	1 1/2"	300-360
SCVM12-BSP	1 1/2"	470-530
SCVS12-BSP	1 1/2"	640-720
SCVH12-BSP	1 1/2"	750-830
SCVL16-BSP	2"	510-590
SCVM16-BSP	2"	725-825
SCVS16-BSP	2"	900-1050
SCVH16-BSP	2"	1100-1200
SCVL24-BSP	3"	1200-1400
SCVS24-BSP	3"	2400-2700
SCVH24-BSP	3"	2850-3050

**NOT TO BE USED
IN SAND BLASTING
APPLICATIONS OR
WHERE 100% OF
THE AVAILABLE
AIR IS REQUIRED**