

# ONE-PIECE CHECK VALVES

## SOCV SERIES



### Features

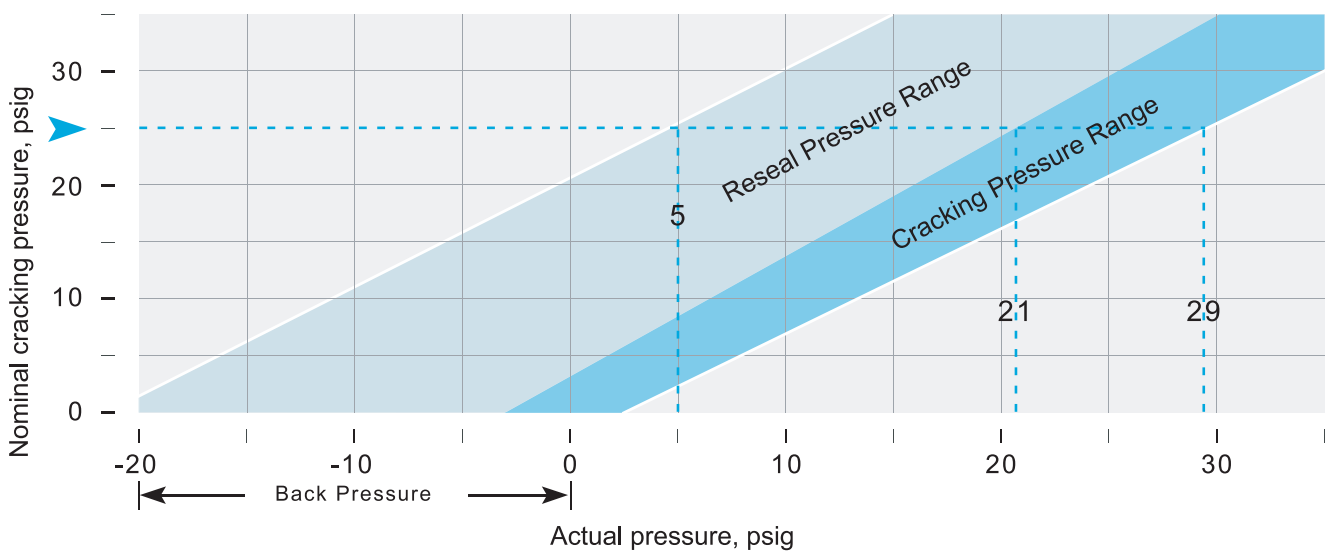
- One-piece Body
- Working pressure up to 3000 psig (206bar)
- Temperature rating up to 375 °F (190°C) with viton seal standard.
- Cracking pressure fixed from 1/3 to 25psig (0.02 to 1.7 bar)
- NPT and ISO pipe end connections
- 316 stainless steel and brass materials
- Each and every valve is tested at the factory.

### Technical Data

<b>Nominal Cracking Pressure</b>	1/3, 1, 10 and 25psig (0.02, 0.06, 0.68, 1.7bar)
<b>Maximum Working Pressure at 70 °F (20°C)</b>	3000psig (206bar)
<b>Maximum Back Pressure at 70 °F (20°C)</b>	3000psig (206bar)
<b>Flow Coefficient (Cv)</b>	SOCV1 / SOCV2 : 0.35 SOCV3 / SOCV4 : 1.20
<b>Temperature Rating</b>	VITON O-ring : -10 °F to 375 °F (-23°C to 190°C) NBR O-ring : -10 °F to 250 °F (-23°C to 121°C) (add "N" to the end of ordering number)

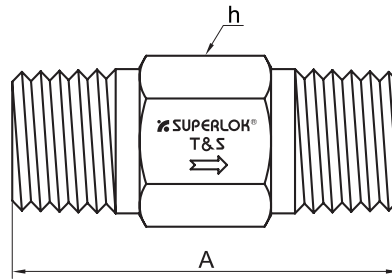
### Cracking Pressure and Reseal Pressure

**SOCV Series Valves with nominal cracking pressure of 20 psig (1.3 bar) or lower may require back pressure to reseal bubble-tight.**



<b>Testing</b>	All valves are factory tested for cracking pressure and reseal performance.
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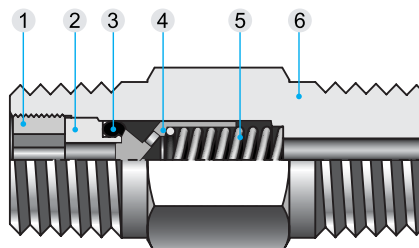
### Table of Dimensions



Order Number		End Connection		A	h Hex mm (in.)
Series	Part No.	Inlet	Outlet		
SOCV1	M4N	1/4 Male NPT	1/4 Male NPT	41.2	14.3 (9/16)
	M4R	1/4 Male ISO	1/4 Male ISO		
SOCV2	F4N	1/4 Female NPT	1/4 Female NPT	61.2	19.1 (3/4)
	F4R	1/4 Female ISO	1/4 Female ISO	64.5	
	M4N-F4N	1/4 Male NPT	1/4 Female NPT	44.5	
	F4N-M4N	1/4 Female NPT	1/4 Male NPT	58.2	
SOCV3	M8N	1/2 Male NPT	1/2 Male NPT	57.9	22.2 (7/8)
SOCV4	F8N	1/2 Female NPT	1/2 Female NPT	94.2	26.9 (1-1/16)
	M8N-F8N	1/2 Male NPT	1/2 Female NPT	71.9	

All dimensions are for reference only, subject to change.

### Materials of Construction



No.	Component	Valve Body Materials	
		Stainless steel	Brass
1	Insert Lock Screw	316SS / A276	Brass
2	Insert	316SS / A276	Brass
3	O-Ring	VITON	NBR
4	Poppet	316SS / A276	Brass
5	Spring	SS304	
6	Body	316SS / A276	Brass

### Ordering information

**SOCV1** - **M** **4N** - **1P** - **SS**

1                      2                      3                      4                      5

- 1 : Valve Series    2 : End Connection Type    3 : Connection Size
- 4 : Cracking Pressure Designator(0.3P : 1/3psig, 1P : 1psig, 10P : 10psig, 25P : 25psig)
- 5 : Body Material Designator [SS : 316 stainless steel(standard), B : Brass]