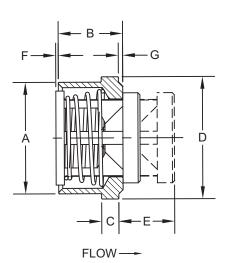






The **Straight Sided Insert (SI)** is a **threadless** check valve designed to be inserted into any cavity where a check valve is needed and threads are not desired. Consult the factory if your application requires tolerancing for a press fit installation. The SI valve can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.



Nom. Pipe Size	Size Code	A	В	С	D	E ①	F	G	Orifice Diameter
1/2	D	0.656	0.56	0.16	0.718	0.53	0.01	0.031	0.348
3/4	F	0.780	0.59	0.16	0.900	0.61	0.00	0.063	0.464
1	Н	1.000	0.69	0.19	1.125	0.78	0.11	0.063	0.593
1-1/4	I	1.312	0.81	0.19	1.500	0.85	0.09	0.063	0.890
1-1/2	J	1.625	0.88	0.25	1.781	1.01	0.15	0.063	1.135
2	К	1.875	0.88	0.25	2.187	1.19	0.70	0.063	1.385

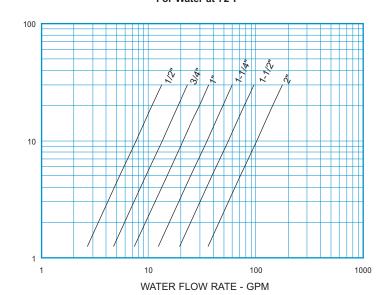
• Maximum nominal dimension for a fully open valve with no spring.

Body Material ②	Availability	Non-Shock Pressure-Temperature Rating		
316 Stainless Steel (SS)				
Carbon Steel (CS)	Standard			
Brass (BR)		3000 PSIG @ 100°F (1500 PSIG for o-ring seats)		
Alloy 20 (A2)				
Alloy C-276 (HC)	Semi-standard			
Alloy 400 or Monel ® (MO)				
Alloy B (HB)	Contact the factory for these or other			
Titanium (TI)	materials.			

2 See page 54 for material grade information.

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Straight Sided Insert For Water at 72°F



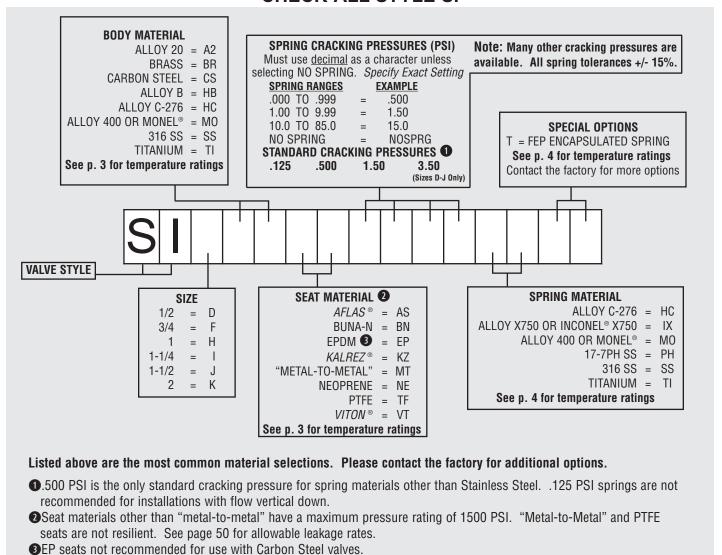
PRESSURE DROP - PSI

Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE SI C _V VALUES & VALVE WEIGHTS					
C _V	SIZE	ALL MATERIALS			
2.4	1/2	0.6 oz.			
4.2	3/4	1.0 oz.			
6.6	1	1.7 oz.			
11.0	1-1/4	3.3 oz.			
17.4	1-1/2	5.3 oz.			
32.0	2	8.2 oz.			

See page 49 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE SI



www.checkall.com

sales@checkall.com

ISO 9001 CERTIFIED

MADE IN USA

2018