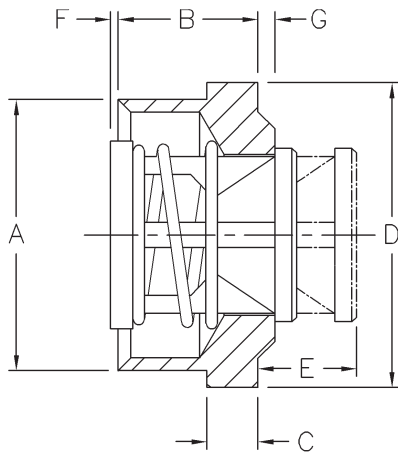


The **Straight Sided Insert** is a **threadless** check valve designed to be inserted into any cavity where a check valve is needed and threads are not desired. Consult the factory if your application requires a press fit installation.



Nom. Pipe Size	Size Code	A	B	C	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	0.063	0.464
1	H	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	K	1.875	0.88	0.25	2.187	1.19	0.7	0.063	1.385

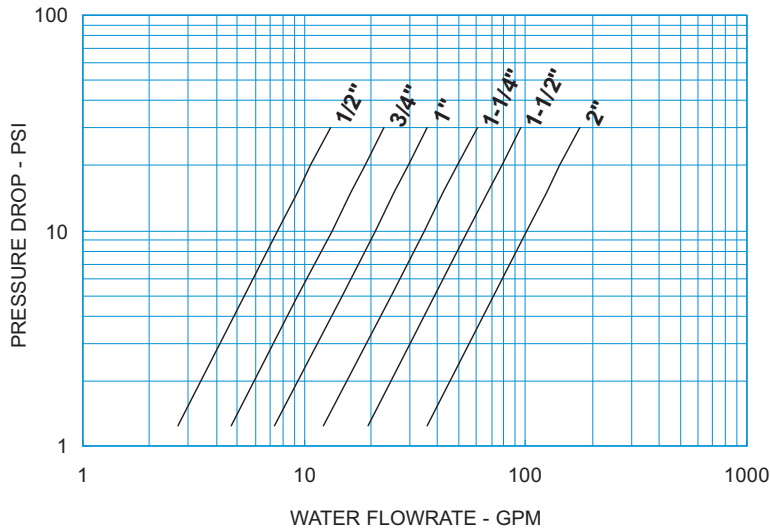
① Maximum nominal dimension for a fully open valve with no spring.

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

② See page 51 for material grade information.

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.

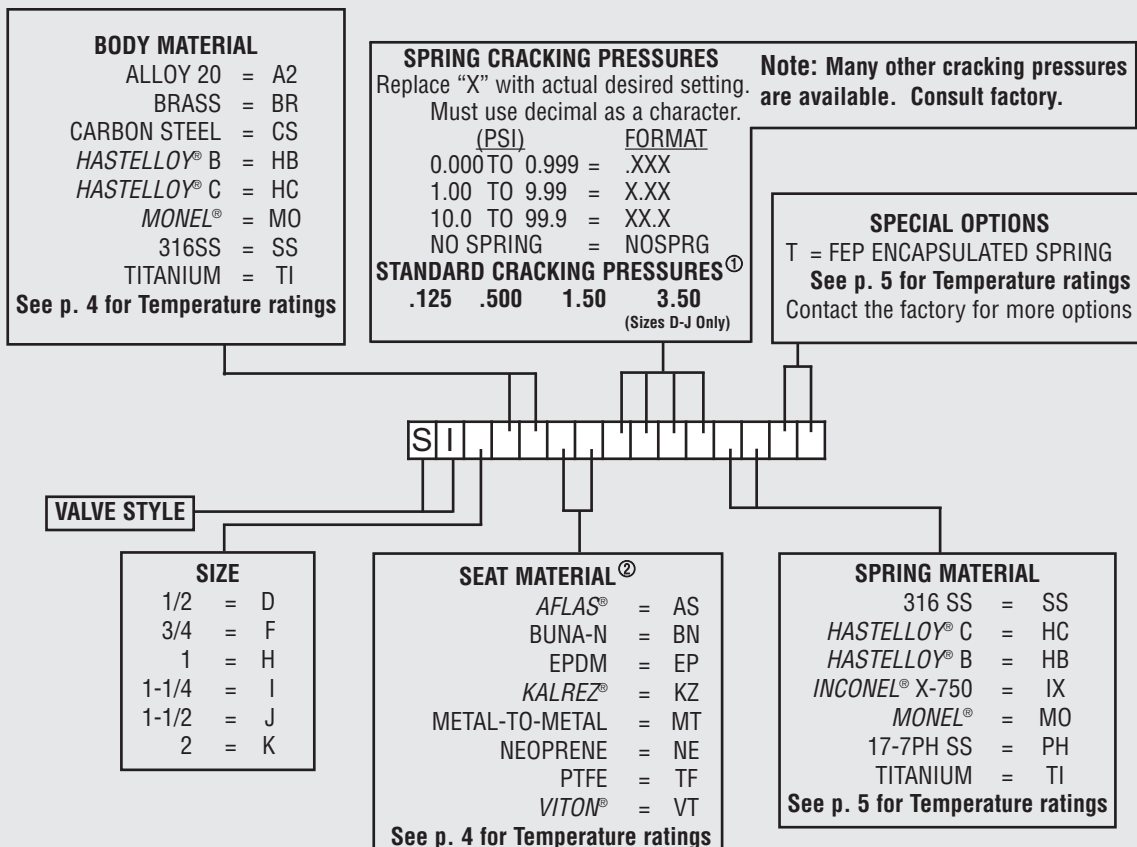
Straight Sided Insert
For Water at 72°F



STYLE SSI (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 46 for Flow Formulae

**HOW TO ORDER
CHECK-ALL STYLE SSI (SI)**



Listed above are the most common material selections. Please contact the factory for additional options.

^①.500 PSI is the only standard cracking pressure for spring materials other than Stainless Steel. Cracking pressure tolerance is +/- 15%. .125 PSI springs are not recommended for installations with flow vertical down.

^②Seat materials other than metal-to-metal have a maximum pressure rating of 1500 PSI. PTFE seats are not resilient. See page 47 for allowable leakage rates.