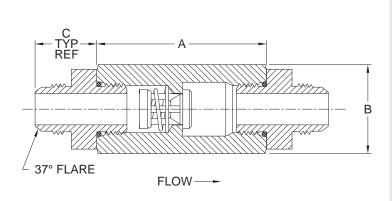


The Tubing Check Valve-Flared (TF) is a three-piece constructed check valve with 37° flared end fittings that conform to SAE J514 & ISO 8434-2. These valves are designed for maximum flow with minimal pressure drop. Consult the factory for more information.



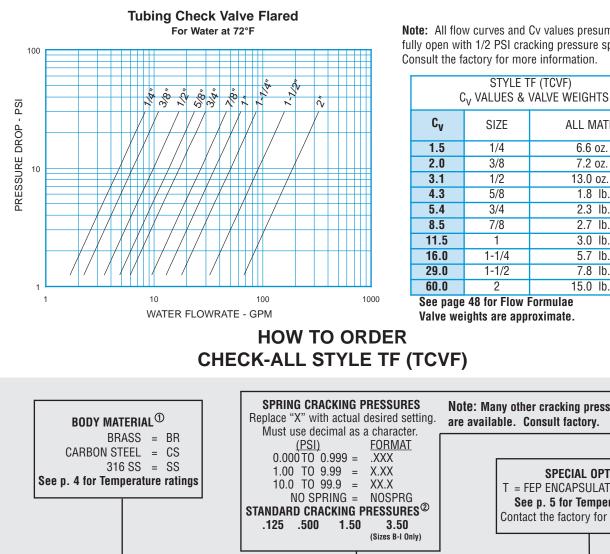
Tubing O.D. Size	Size Code	A	Hex <sup>①</sup> Size B	C	Orifice Diameter
1/4	В	2.16	7/8	0.89	0.348
3/8	С	2.16	7/8	0.91	0.348
1/2	D	2.47	1-1/8	1.04	0.464
5/8*	E	2.63	1-1/4	1.20	0.464
3/4	F	2.92	1-1/2	1.38	0.593
7/8*	G	3.33	1-3/4	1.40	0.890
1	Н	3.33	1-7/8	1.46	0.890
1-1/4*		3.48	2-1/4	1.58	1.135
1-1/2*	J	3.80	2-1/2	1.79	1.385
2*	K	5.09	3-1/2	2.19	2.025

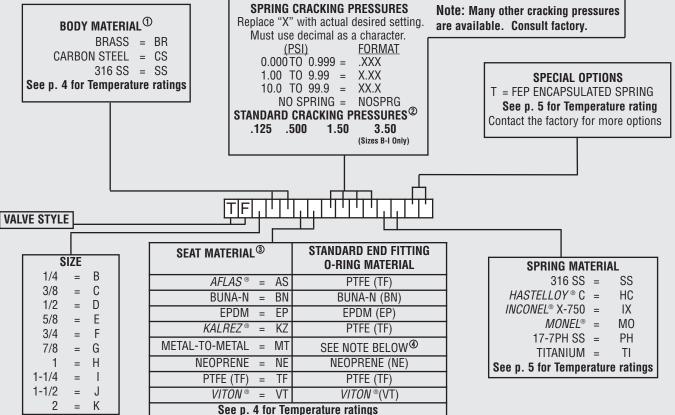
<sup>①</sup>May be larger and/or round. \*Not a stock item. Consult factory for delivery.

Line Size	Non-Shock Pressure-Temperature Rating $^{\textcircled{0}}$				
	Stainless Steel (SS) $^{\textcircled{3}}$	Carbon Steel (CS) $^{ m (S)}$	Brass (BR) <sup>③</sup>		
1/4 - 1/2	8500 PSIG @ 100°F	7000 PSIG @ 100°F	2000 PSIG @ 100°F		
5/8 - 1	6600 PSIG @ 100°F	5000 PSIG @ 100°F	1600 PSIG @ 100°F		
1-1/4 - 1-1/2	5800 PSIG @ 100°F	4600 PSIG @ 100°F	1600 PSIG @ 100°F		
2	3000 PSIG @ 100°F	2500 PSIG @ 100°F	1600 PSIG @ 100°F		

<sup>(2)</sup>Maximum Pressure 1500 PSIG for o-ring seats.

<sup>(3)</sup>See page 53 for material grade information.





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

 $^{\odot}$ Brass valves have plated Carbon Steel fittings. Consult factory if other body or fitting materials are desired.  $^{(2)}$ .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. <sup>③</sup>Seat materials other than metal-to-metal have a maximum pressure rating of 1500 PSI. PTFE seats are not resilient. See page 49 for allowable leakage rates.

<sup>(4)</sup>Brass and Carbon Steel valves have Buna-N end fitting o-rings, 316 SS valves have *Viton* <sup>®</sup> end fitting o-rings.

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.

ALL MATL

6.6 oz.

7.2 oz.

13.0 oz.

1.8 lb.

2.3 lb. 2.7 lb.

3.0 lb.

5.7 lb.

7.8 lb.

15.0 lb.

STYLE TF (TCVF)

SIZE

1/4

3/8

1/2

5/8

3/4

7/8

1

1 - 1/4

1 - 1/2

2