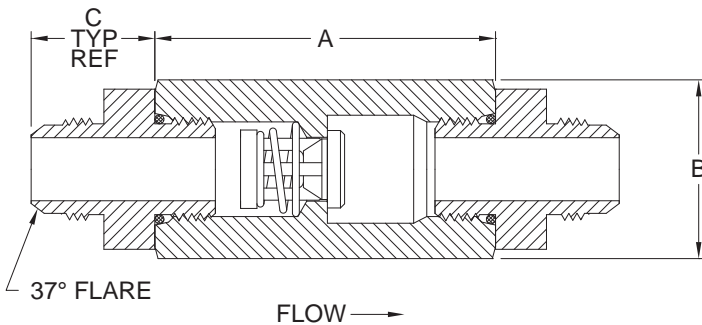


The **Tubing Check Valve-Flared (TF)** is a three-piece constructed check valve with 37° flared end fittings that conform to SAE J514 & ISO 8434-2 . These valves are designed for maximum flow with minimal pressure drop. Consult the factory for more information.



Tubing O.D. Size	Size Code	A	Hex ^① Size B	C	Orifice Diameter
1/4	B	2.16	7/8	0.89	0.348
3/8	C	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	H	3.33	1-7/8	1.46	0.890
1-1/4*	I	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

^① May be larger and/or round.

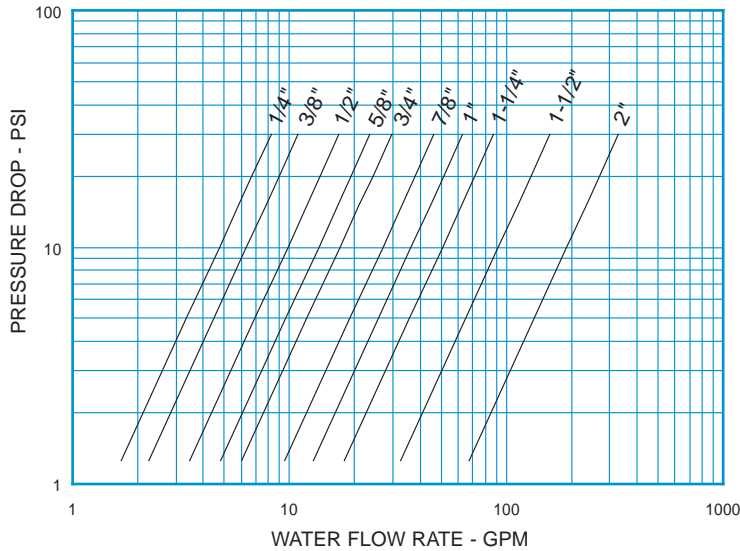
*Not a stock item. Consult factory for delivery.

Line Size	Non-Shock Pressure-Temperature Rating ^②		
	Stainless Steel (SS) ^③	Carbon Steel (CS) ^③	Brass (BR) ^③
1/4 - 1/2	8500 PSIG @ 100°F	7000 PSIG @ 100°F	3000 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	4000 PSIG @ 100°F	1600 PSIG @ 100°F
2	3000 PSIG @ 100°F	2500 PSIG @ 100°F	1600 PSIG @ 100°F

^② Maximum Pressure 1500 PSIG for o-ring seats.

^③ See page 55 for material grade information.

Tubing Check Valve Flared
For Water at 72°F

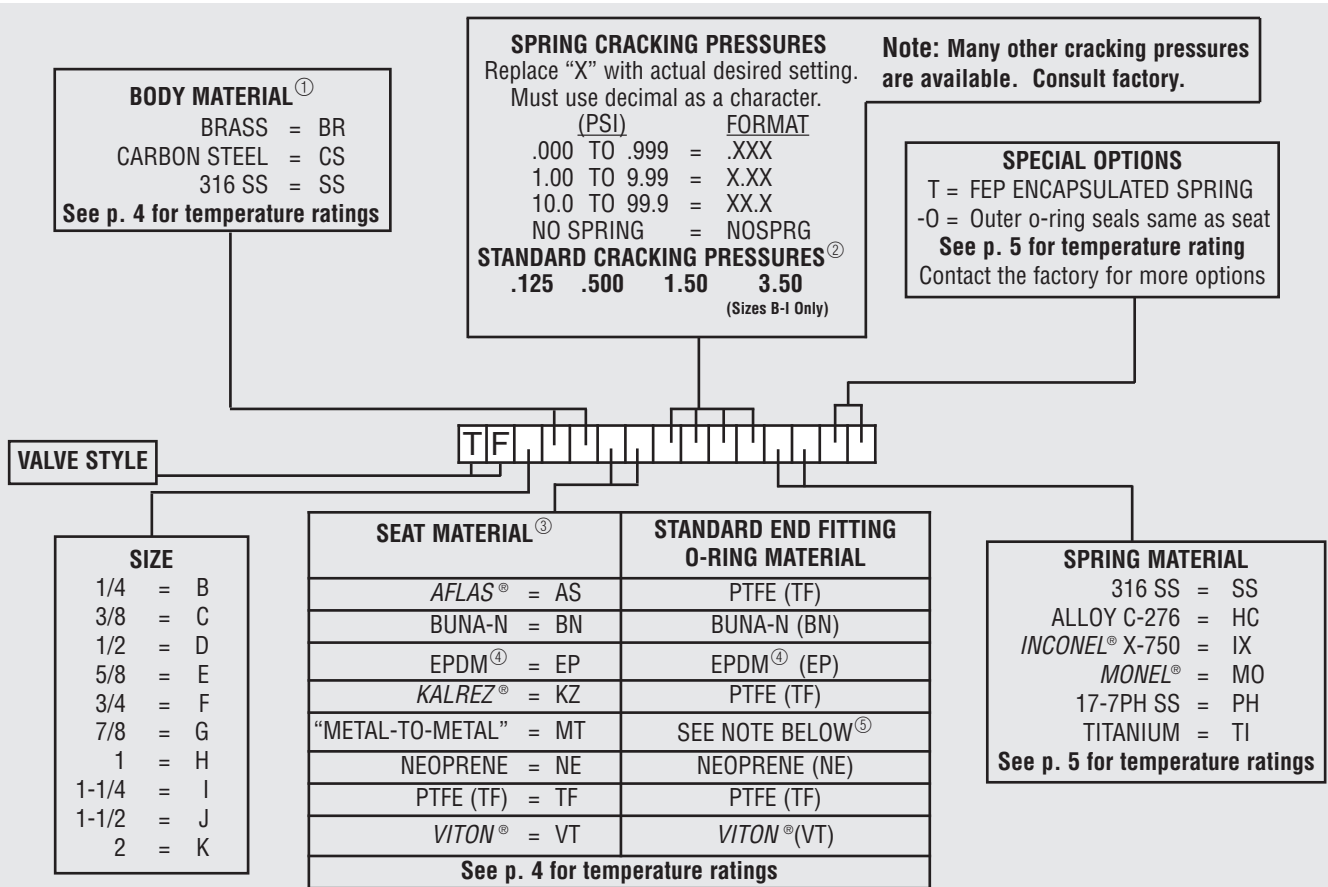


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE TF (TCVF) C _v VALUES & VALVE WEIGHTS		
C _v	SIZE	ALL MATL
1.5	1/4	6.6 oz.
2.0	3/8	7.2 oz.
3.1	1/2	13.0 oz.
4.3	5/8	1.8 lb.
5.4	3/4	2.3 lb.
8.5	7/8	2.7 lb.
11.5	1	3.0 lb.
16.0	1-1/4	5.7 lb.
29.0	1-1/2	7.8 lb.
60.0	2	15.0 lb.

See page 50 for Flow Formulae.
Valve weights are approximate.

**HOW TO ORDER
CHECK-ALL STYLE TF (TCVF)**



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

- ① 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.
- ③ Seat materials other than "metal-to-metal" have a maximum pressure rating of 1500 PSI. "Metal-to-Metal" and PTFE seats are not resilient. See page 51 for allowable leakage rates.
- ④ EP seats not recommended for use with Carbon Steel valves.
- ⑤ Fitting o-rings are the same as the seat for standard seat materials. For "metal-to-metal" seated valves, end fitting o-rings are Buna-N for brass and carbon steel valves and Viton® for stainless steel valves. Consult the factory for further information.