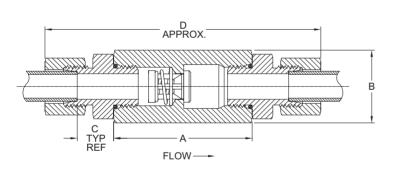


The **Tubing Check (TV)** valve is constructed with compression tube fittings (flareless) and is designed for a minimum pressure drop. The valves are furnished complete with ferrules and nuts. The TV valve can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.

NOTE: Consult the factory for instrumentation applications or for more information.

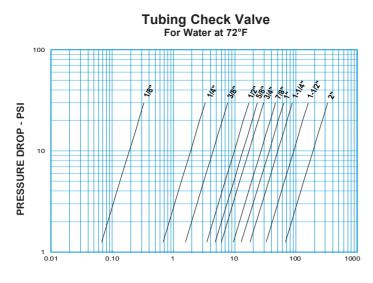


Tubing O.D. Size	Size Code	А	Hex <b>0</b> Size B	С	D	Orifice Diameter
1/8	А	2.16	7/8	0.42	3.99	0.348
1/4	В	2.16	7/8	0.57	4.58	0.348
3/8	С	2.16	7/8	0.57	4.80	0.348
1/2	D	2.48	1-1/8	0.63	5.44	0.464
5/8	E	2.63	1-1/4	0.72	5.89	0.464
3/4	F	2.93	1-1/2	0.85	6.47	0.593
7/8	G	3.34	1-7/8	0.85	6.98	0.890
1	Н	3.34	1-7/8	0.81	7.18	0.890
1-1/4	I	3.48	2-1/4	0.89	7.56	1.135
1-1/2	J	3.81	2-1/2	0.89	7.99	1.385
2	К	5.09	3-1/2	1.05	9.66	2.025

• May be larger and/or round.

Line Size	Non-Shock Pressure-Temp. Rating @ 100°F Consult factory for P-T rating above @ 100°F				
	Stainless Steel (SS) and Carbon Steel $oldsymbol{arepsilon}$	Brass (BR) 🛛			
1/8″	4500 PSIG (1500 PSIG for o-ring seats)	3000 PSIG (1500 PSIG for o-ring seats)			
1/4″ - 1/2″	5000 PSIG (1500 PSIG for o-ring seats)	3000 PSIG (1500 PSIG for o-ring seats)			
5/8″	5000 PSIG (1500 PSIG for o-ring seats)	1600 PSIG (1500 PSIG for o-ring seats)			
3/4″	4500 PSIG (1500 PSIG for o-ring seats)	1600 PSIG (1500 PSIG for o-ring seats)			
7/8" - 1"	4000 PSIG (1500 PSIG for o-ring seats)	1600 PSIG (1500 PSIG for o-ring seats)			
1-1/4″ - 1-1/2″	3000 PSIG (1500 PSIG for o-ring seats)	1600 PSIG (1500 PSIG for o-ring seats)			
2″	2000 PSIG (1500 PSIG for o-ring seats)	1600 PSIG (1500 PSIG for o-ring seats)			

**2** See page 56 for material grade information.



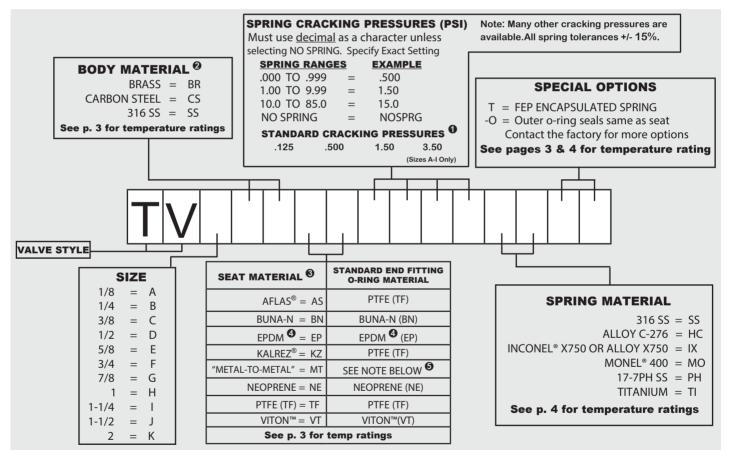
WATER FLOW RATE - GPM

**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 TV C <sub>V</sub> VALUES & VALVE WEIGHTS						
С <sub>V</sub>	SIZE	ALL MATL				
0.06	1/8	6.9 oz.				
0.6	1/4	7.6 oz.				
1.4	3/8	8.1 oz.				
3.1	1/2	13 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	4.9 lb.				
29.0	1-1/2	7.8 lb.				
60.0	2	15 lb.				

See page 51 for Flow Formulae. Valve weights are approximate.

## HOW TO ORDER CHECK-ALL STYLE TV



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. .125 PSI springs are not recommended for installations with flow vertical down.

Brass valves have plated Carbon Steel tube fittings if applicable. Consult factory if other body or fitting materials are desired.

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 52 for allowable leakage rates.

**()**EP seats not recommended for use with Carbon Steel valves.

●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.