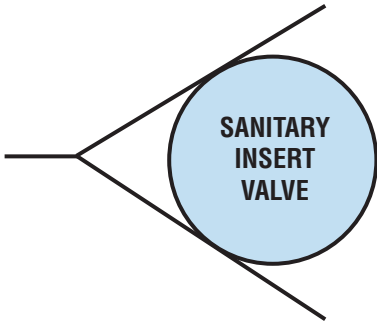




See PED statement below



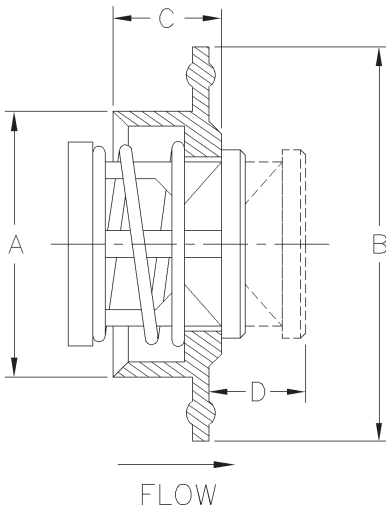
For over 35 years, the compact, fluoropolymer (PTFE/FEP/PFA), **Sanitary Insert** valve has been used as the most economical solution for providing a check valve in a new or existing sanitary piping system. This valve style is designed to fit into grooved-end clamp-type fittings (ferrules not included). Since the Sanitary Insert Valve replaces the gasket normally used with clamp joints, no extra space is required to accommodate the valve. **For applications requiring a 3-A compliant valve, see our 3S series on page 16.**

**PED Conformance Statement:** Due to the unique design of the Sanitary Insert Valve, this series is not considered a pressure vessel but rather a gasket. According to PED Guideline 1/8, gaskets are not governed by the Pressure Equipment Directive. As a result, the SIV series is available for sale in the European Community and no CE Mark is required.

Two different types of Sanitary Insert Valves are available. They are distinguished by the following designations in their part numbers:

TC – Designates the Tri-Clamp® fittings manufactured by Tri-Clover®,      CB – Designates the Q-Line® Series of fittings manufactured by Waukesha Cherry-Burrell.  
 S-Line® fittings manufactured by Waukesha Cherry-Burrell.

NOTE: Sanitary Insert Valve types TC and CB are not interchangeable!



Line Size	Size Code	TC - Tri-Clover® Waukesha Cherry-Burrell S-Line®				CB - Waukesha Cherry-Burrell Q-Line® Only				Orifice ① Dia.
		A	B	C	D ②	A	B	C	D ②	
3/4	F	0.585	27/32	0.55	0.61	-	-	-	-	0.348
1	H	0.850	2	0.55	0.69	0.850	1-3/4	0.55	0.69	0.464
1-1/2	J	1.340	2	0.55	0.91	1.350	2	0.55	0.91	0.890
2	K	1.840	2-1/2	0.57	1.11	1.850	2-1/2	0.57	0.98	1.135
2-1/2	L	2.350	3	0.60	0.97	2.250	3-1/4	0.60	0.97	1.385
3	M	2.840	3-1/2	0.64	1.58	2.852	3-55/64	0.61	1.58	2.025
4	N	3.801	4-5/8	0.78	1.89	3.800	4-55/64	0.73	1.89	2.560

① Due to molding process, orifice may vary.

② Maximum nominal dimension for a fully open valve with no spring.

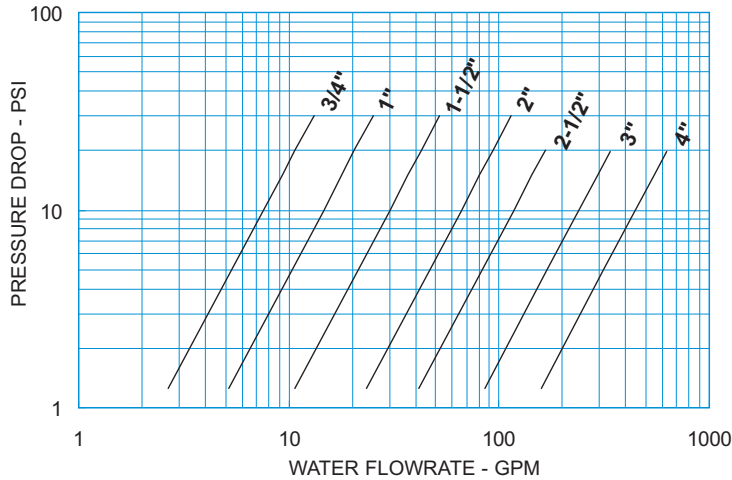
Body Material ③	Line Size	Non-Shock Pressure-Temperature Rating ④
PTFE (TF)	3/4 - 2	55 PSIG @ 100°F
	2-1/2 - 4	20 PSIG @ 100°F

③ See page 51 for material grade information.

④ Consult the factory for reduced P-T rating of PTFE valves above 100°F.

**Sanitary Insert Valve**  
For Water at 72°F

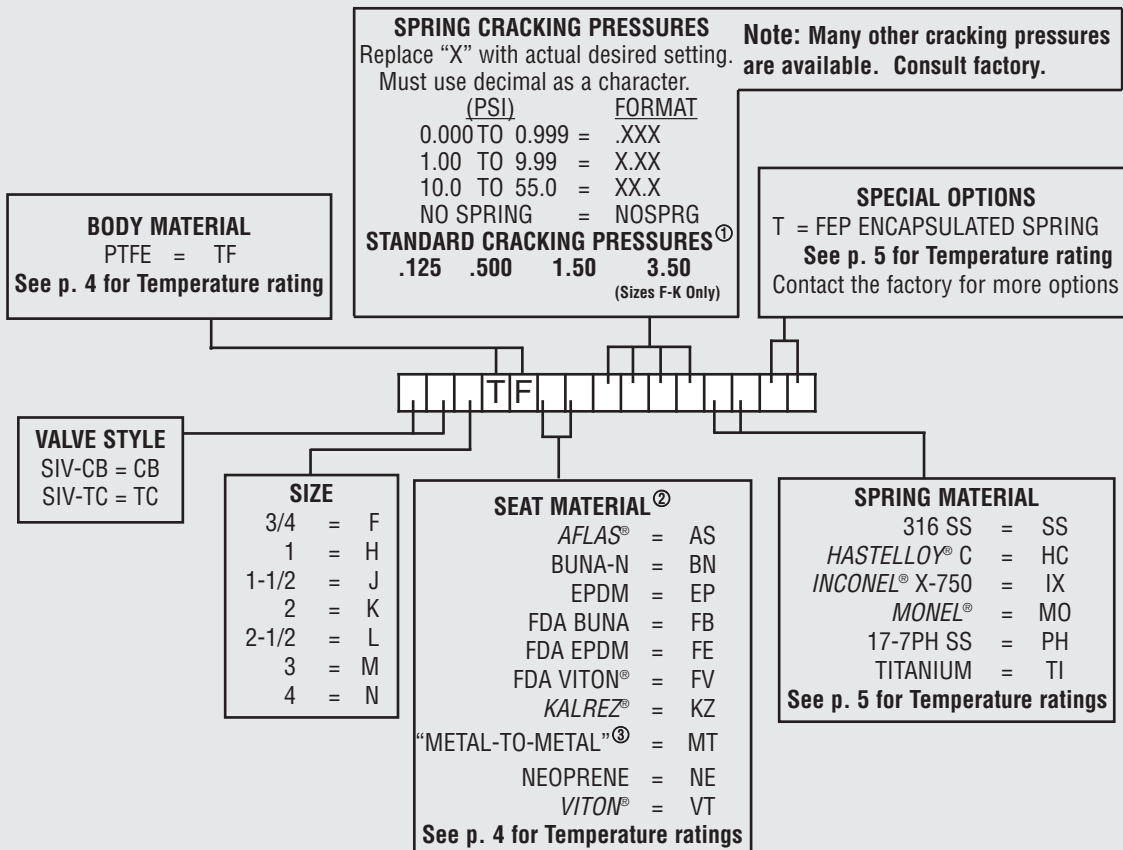
**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.



STYLE SIV (CB, TC) C <sub>v</sub> VALUES & VALVE WEIGHTS		
C <sub>v</sub>	SIZE	PTFE
2.4	3/4	0.2 oz.
4.6	1	0.6 oz.
9.5	1-1/2	1.1 oz.
20.9	2	1.8 oz.
37.0	2-1/2	2.3 oz.
76.0	3	5.1 oz.
141	4	11.2 oz.

See page 46 for Flow Formulae

**HOW TO ORDER**  
**CHECK-ALL STYLE SIV (CB, TC)**



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%.
- ② PTFE seats are not resilient. See page 47 for allowable leakage rates.
- ③ For plastic valves, seat is same as the body.