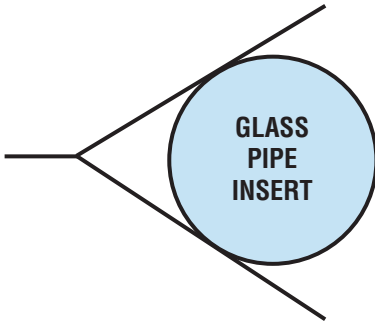




See PED statement below

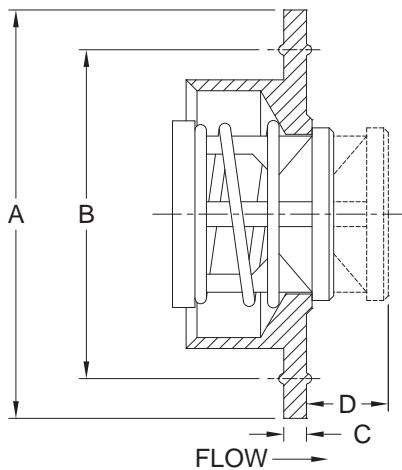


Flanges not included.

The **Glass Pipe Insert (GP)** is an all fluoropolymer (PTFE/FEP/PFA) check valve with a FEP encapsulated spring. The valve is designed to replace the gasket normally used with glass pipe connecting flanges (Flanges not included). It is inserted into one end of the glass pipe and the flange bolts are tightened. No extra pipe or fittings are necessary to install a GPI in the line.

The valve works equally well in any position with proper spring selection, which facilitates installing a check valve anywhere in the system.

PED Conformance Statement: Due to the unique design of the Glass Pipe Insert, 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 GPI series is available for sale in the European Community and no CE Mark is required.



Nom. Pipe Size	Size Code	A	B	C	D ^①	Orifice ^② Diameter
1	H	1-5/8	1.280	0.13	0.73	0.593
1-1/2	J	2-1/4	1.812	0.13	0.86	0.890
2	K	2-3/4	2.312	0.13	0.90	1.135
3	M	3-7/8	3.390	0.14	1.49	2.025
4	N	5-11/32	4.420	0.14	1.90	2.550

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

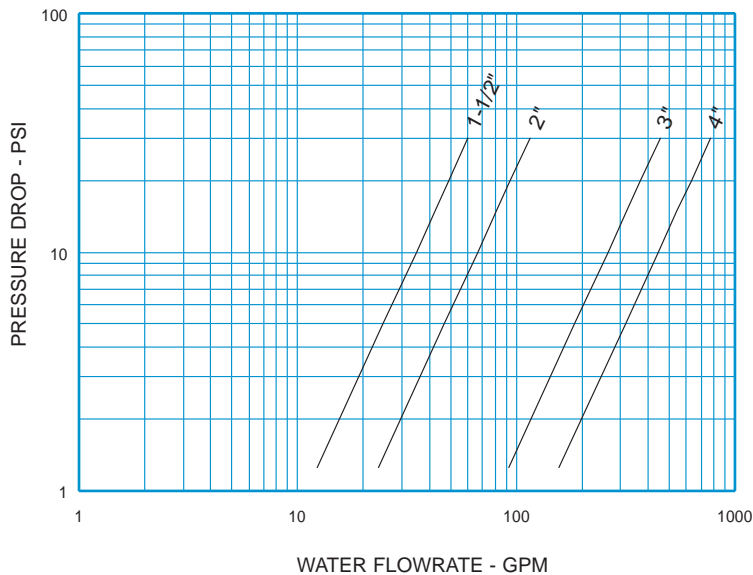
^②Due to molding process, orifice may vary.

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

^③See page 52 for material grade information.

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

Glass Pipe Insert For Water at 72°F

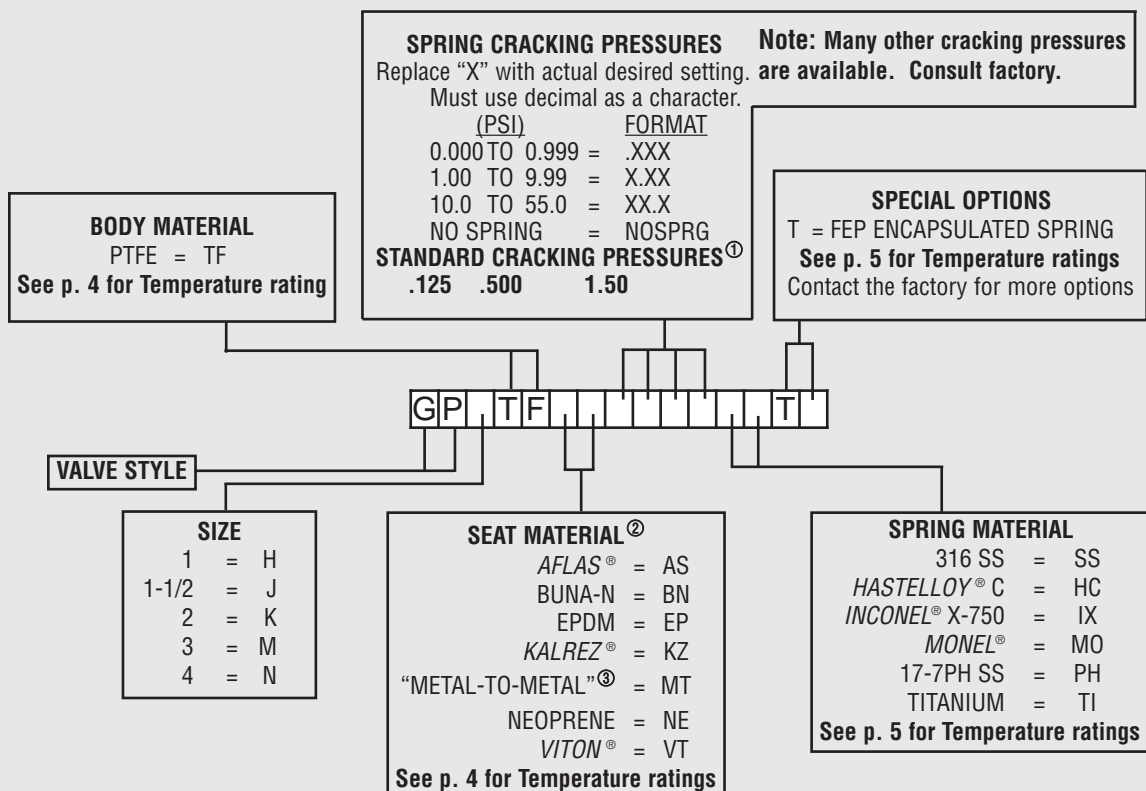


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE GP (GPI) C _V VALUES & VALVE WEIGHTS		
C _V	SIZE	PTFE
6.0	1	0.6 oz.
11.0	1-1/2	1.6 oz.
21.0	2	2.4 oz.
83.0	3	3.3 oz.
141	4	7.0 oz.

See page 48 for Flow Formulae
Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE GP (GPI)



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 49 for allowable leakage rates.
- ③ For plastic valves, seat is the same as body.