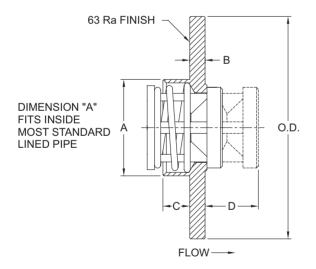


The Lined Pipe Insert (LP) check valve is designed to mate between two flanges on most lined pipe systems. It provides the simplest and most economical way to install a check valve in a lined piping system. No gaskets are required; just spread the flanges, center the valve and bolt the flanges together. LP valves are available in fluoropolymer (PTFE/FEP/PFA) and Alloy C-276 to satisfy the most demanding applications. The standard spring material is Alloy C-276. Other materials are available upon request. The LP valve can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.

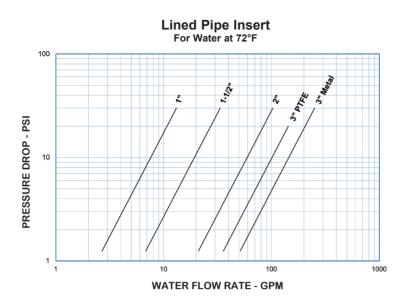


Nom. Pipe	Size	Α	в	С		D 0	OD	Orifice [®]
Size	Code	ſ	В	PTFE	НС			Diameter
1	Н	0.590	1/4	0.26	0.26	0.53	2	0.348
1-1/2	J	1.120	1/4	0.46	0.42	0.78	2-7/8	0.593
2	К	1.570	1/4	0.79	0.44	1.01	3-5/8	1.135
3	М	2.520	5/16	0.77	0.66	1.43	5	1.555 [®]

Maximum nominal dimension for a fully open valve with no spring.
Orifice Diameter for PTFE valve may vary due to molding process.
3" PTFE valves use 1.385 Orifice Diameter.

Body Material ^O	Nominal Pipe Size	Non-Shock Pressure-Temp. Rating	
Alloy C-276 (HC)	1" - 3"	ANSI Class 150 & 300	
	1" - 2"	55 PSIG @ 100°F	
PTFE (TF)	3"	20 PSIG @ 100°F	

9 See page 58 for material grade information. Contact the factory for availability of other materials.

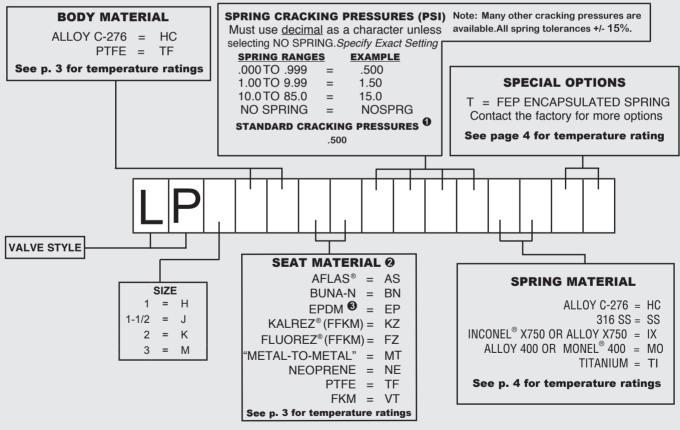


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

,									
STYLE LP C _V VALUES & VALVE WEIGHTS									
METAL C _V	PTFE C _V	SIZE	METAL	PTFE					
2.4	2.4	1	4.0 oz.	1.0 oz.					
6.1	6.1	1-1/2	8.8 oz.	2.2 oz.					
18.8	18.8	2	14.4 oz.	3.2 oz.					
45.8	32.0	3	2.3 lb.	9.0 oz.					
45.8	32.0	3							

See page 53 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE LP



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

.500 PSI is the only standard cracking pressure for spring materials other than Stainless Steel.
 0.125 PSI springs are not recommended for installations with flow vertical down.

- "Metal-to-Metal" and PTFE seats are not resilient. See page 54 for allowable leakage rates.
- For PTFE valves, "TF" o-ring seats are not available, "MT" seats mean plastic to plastic. (No o-ring)