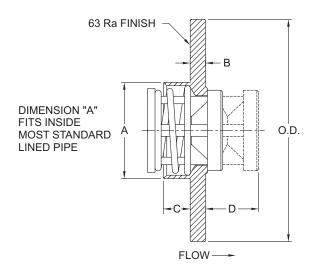






The **Lined Pipe Insert (LP)** valve is designed to mate between two flanges on most lined pipe systems. It provides the simplest and most economical way to install a check valve in a lined piping system. No gaskets are required; just spread the flanges, center the valve, and bolt the flanges together. Lined Pipe Insert 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.



Nom. Pipe Size	Size Code	A	В		C	<b>D</b> ①	OD	Orifice <sup>②</sup> Diameter
3126				PTFE	HC			
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	K	1.570	1/4	0.79	0.44	1.01	3-5/8	1.135
3	M	2.520	5/16	0.77	0.66	1.43	5	1.555 <sup>③</sup>

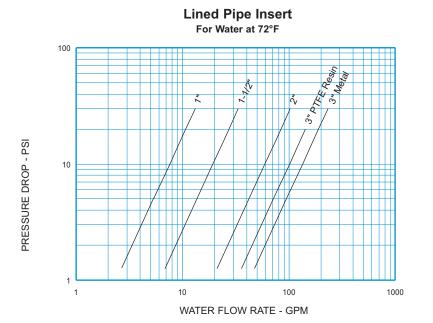
- <sup>(1)</sup>Maximum nominal dimension for a fully open valve with no spring.
- Orifice Diameter for PTFE valve may vary due to molding process.
- <sup>3</sup>3" PTFE valves use 1.385 Orifice Diameter.

Body Material $^{4}$	Nominal Pipe Size	Non-Shock Pressure-Temperature Rating	
Alloy C-276 (HC)	1 - 3	ANSI Class 150 & 300	
PTFE (TF)	1 - 2	55 PSIG @ 100°F <sup>⑤</sup>	
F 11 L (11)	3	20 PSIG @ 100°F <sup>⑤</sup>	

<sup>&</sup>lt;sup>®</sup>See page 55 for material grade information. Contact the factory for availability of other materials.

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<sup>©</sup> Consult the factory for reduced P-T rating above 100°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 LP (LPI) C <sub>V</sub> VALUES & VALVE WEIGHTS							
METAL C <sub>V</sub>	PTFE C <sub>V</sub>	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.			

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

## HOW TO ORDER CHECK-ALL STYLE LP (LPI)

