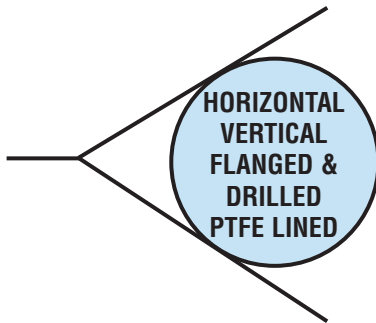




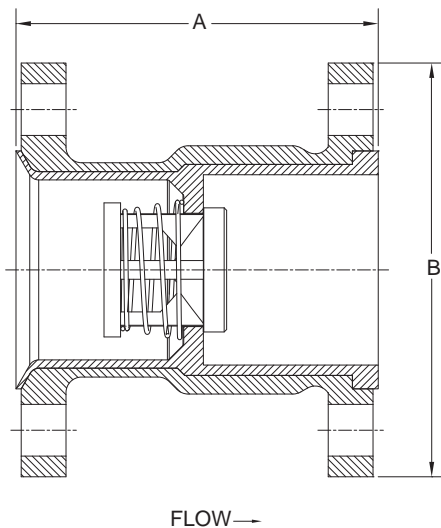
PED 97/23/EC  
COMPLIANT  
See page 56 for Details



The **Check-All Flanged & Drilled — Fluoropolymer (PTFE) Lined (HT)** check valve is a one piece body with ANSI/ASME B16.5 Class 150 flanged ends. The valve has a solid one piece PTFE liner which covers the flange faces out to the raised face diameter. All wetted surfaces are fluoropolymer (PTFE/FEP/PFA) including the FEP encapsulated stainless steel spring.

Style HVFD-T bodies are made of **cast carbon steel only**. The liner is made of virgin PTFE. It is installed as one solid piece of PTFE and the internal geometrical shape is machined. The PTFE liner has a **minimum wall** thickness of 3/32 inch, which guarantees against pin holes which can be present in fused liners.

**NOTE: Some valve sizes can be supplied with B16.34 certification. Consult the factory for more information.**



Nom. Pipe Size	Size Code	A	B	Orifice <sup>①</sup> Diameter
1	H	3.75	4-1/4	0.890
1-1/2	J	4.38	5	1.385
2	K	5.13	6	2.025

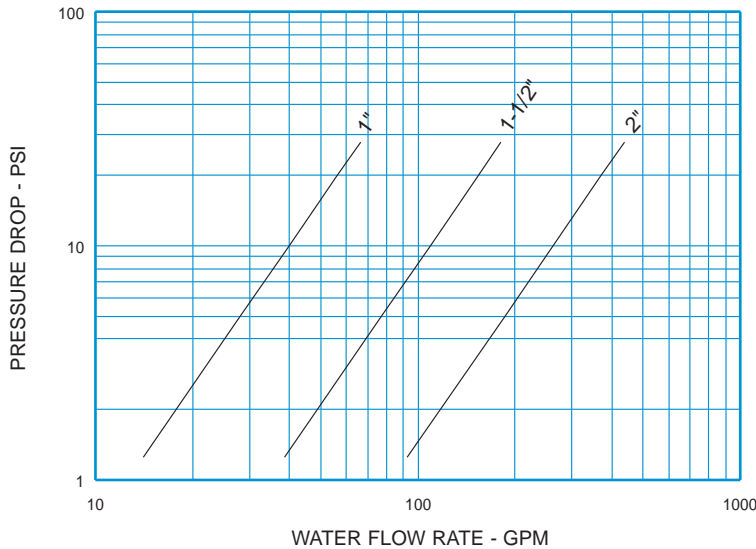
<sup>①</sup> Due to molding process, Orifice Diameter may vary.

Cast Body Material <sup>②</sup>	Liner Material <sup>②</sup>	Nominal Pipe Size	Non-Shock Pressure-Temperature Rating <sup>③</sup>
WCB/WCC Carbon Steel (CS)	PTFE (TF)	1	55 PSIG @ 100°F
		1-1/2 - 2	20 PSIG @ 100°F

<sup>②</sup> See page 55 for material grade information.

<sup>③</sup> Consult the factory for reduced P-T rating of PTFE valves above 100°F.

**Horizontal-Vertical Flanged & Drilled PTFE Lined**  
For Water at 72°F

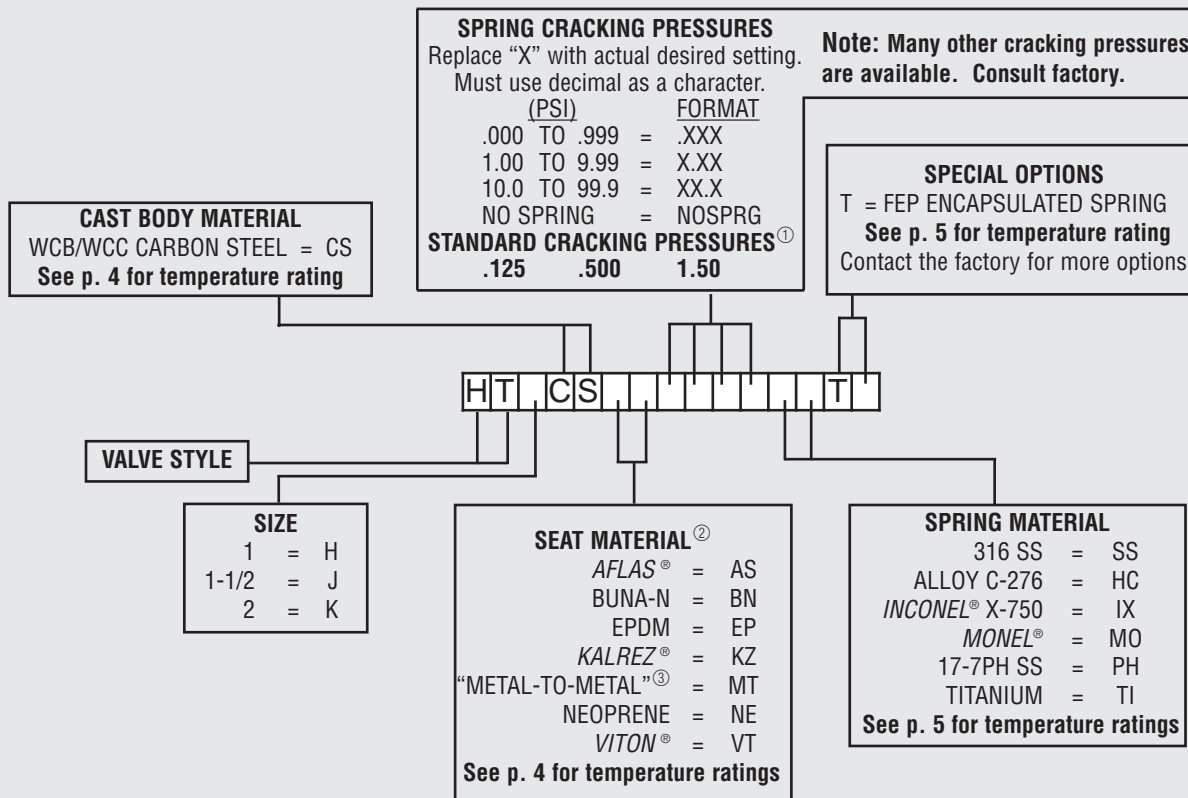


**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE HT (HVFD-T) C <sub>v</sub> VALUES & VALVE WEIGHTS		
C <sub>v</sub>	SIZE	PTFE LINED
12.6	1	3.6 lb.
34.5	1-1/2	5.6 lb.
83.0	2	9.2 lb.

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

**HOW TO ORDER**  
**CHECK-ALL STYLE HT (HVFD-T)**



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%. .125 PSI springs are not recommended for installations with flow vertical down.
- ② Seat materials other than "metal-to-metal" have a maximum pressure rating of 1500 PSI. PTFE seats are not resilient. See page 51 for allowable leakage rates.
- ③ For plastic valves, "MT" seats mean plastic to plastic.