

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 HT 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.

The HT valve can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.



Nom. Pipe Size	Size Code	А	в	Orifice ^① Diameter
1	Н	3.75	4-1/4	0.890
1-1/2	J	4.38	5	1.385
2	K	5.13	6	2.025

1 Due to molding process, Orifice Diameter may vary.

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	Cast Body Material ^Ø	Liner Material ^Ø	Nominal Pipe Size	Non-Shock Pressure-Temp. Rating @ 100°F Consult factory for P-T rating above @ 100°F
	WCB/WCC Carbon Steel (CS)	PTFE (TF)	1″	55 PSIG
			1-1/2" - 2"	20 PSIG

2 See page 56 for material grade information.

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

WATER FLOW RATE - GPM

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 C _V VALUES & VALVE WEIGHTS				
С _v	SIZE	PTFE LINED		
12.6	1	3.7 lb.		
34.5	1-1/2	5.8 lb.		
83.0	2	9.4 lb.		

See page 51 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE HT



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. .125 PSI springs are not recommended for installations with flow vertical down.
- For PTFE lined valves, "MT" seats mean plastic to plastic. (No o-ring) See page 52 for allowable leakage rates.

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Page information references listed on this cut sheet are available in the printed catalog as well as the digital catalog, which is available at www.checkall.com.

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