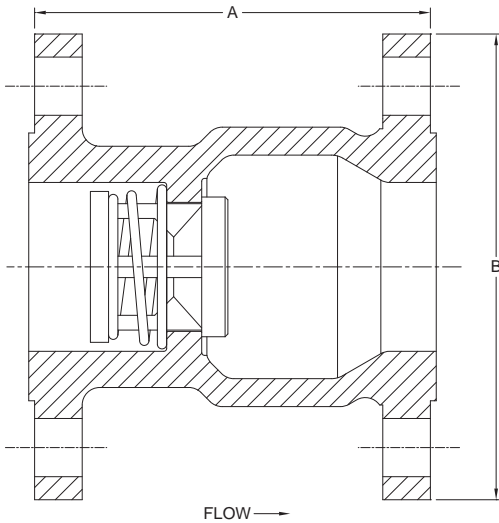


The **Check-All Flanged & Drilled (HV)** check valve is a one piece cast body valve with ASME/ANSI B16.5 Class 150 flanged ends. The HVFD series valve is used when higher flow rates and lower pressure drops are required. The valve is available in sizes 1 inch through 10 inches and standard materials of 316 stainless steel, brass and carbon steel. The HVFD series valve is designed for use with mating ANSI class 150 flanges. Other materials are available upon request.

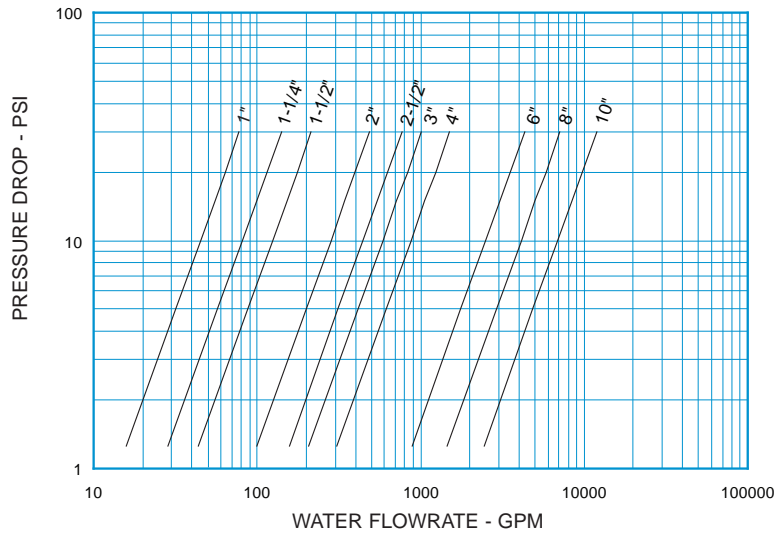


Nom. Pipe Size	Size Code	A	B	Orifice Diameter
1	H	3.75	4-1/4	0.890
1-1/4	I	3.80	4-5/8	1.135
1-1/2	J	4.38	5	1.385
2	K	5.13	6	2.025
2-1/2	L	7.28	7	2.560
3	M	8.38	7-1/2	3.280
4	N	9.69	9	3.875
6	P	13.75	11	6.380
8	Q	15.10	13-1/2	7.670
10	R	19.25	16	9.650

Body Material <sup>①</sup>	Availability	Non-Shock Pressure-Temperature Rating
316 Stainless Steel (SS)	Standard	ASME/ANSI B16.5 Class 150
Carbon Steel (CS)		
Brass (BR)		

<sup>①</sup>See page 52 for material grade information.

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

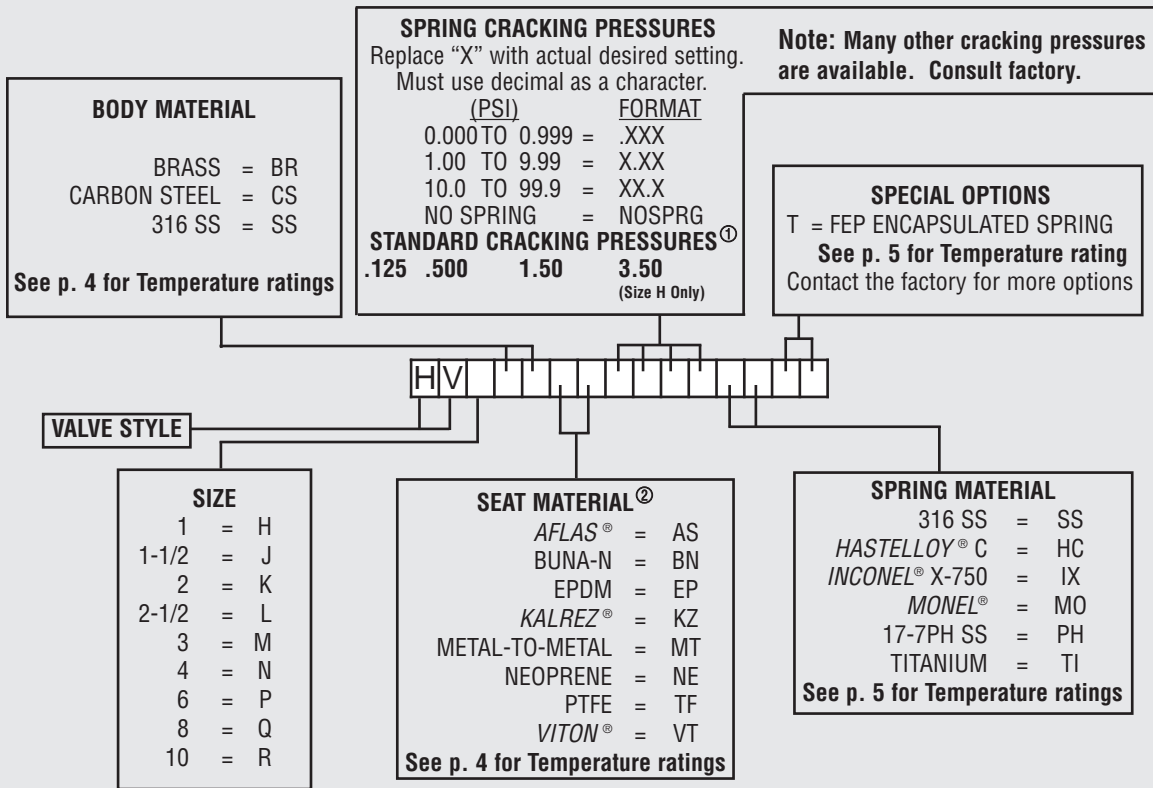


**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE HV (HVFD) C <sub>v</sub> VALUES & VALVE WEIGHTS			
C <sub>v</sub>	SIZE	SS & CS ALLOYS	BRASS
14.2	1	4.3 lb.	4.8 lb.
25.6	1-1/4	5.3 lb.	6.0 lb.
39.2	1-1/2	7.8 lb.	8.7 lb.
89.0	2	10.9 lb.	13.9 lb.
140	2-1/2	20.7 lb.	23 lb.
185	3	24.6 lb.	26.2 lb.
275	4	43.8 lb.	48 lb.
790	6	86 lb.	93 lb.
1300	8	174 lb.	193 lb.
2175	10	263 lb.	290 lb.

See page 48 for Flow Formulae  
Valve weights are approximate.

**HOW TO ORDER  
CHECK-ALL STYLE HV (HVFD)**



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 49 for allowable leakage rates.