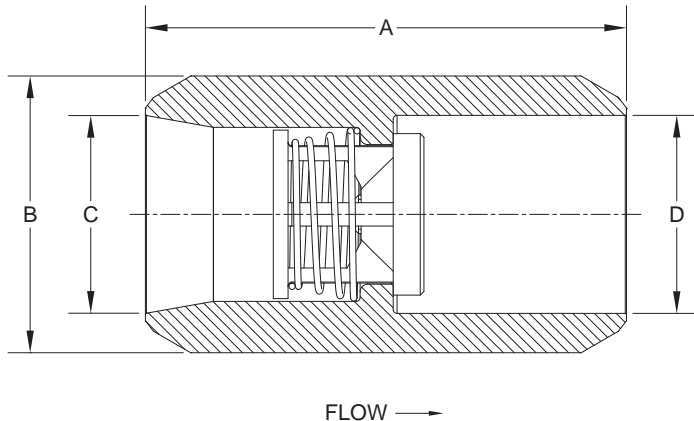


The **Butt Weld (B4)** check valve is a one piece body machined from bar stock, eliminating porosity concerns and providing uniform density for more consistent welds. Made to ASME/ANSI B16.25 for schedule 40 pipe, it carries rugged, dependable Check-All trim with a wide variety of seat materials and cracking pressures to choose from. This makes the **Butt Weld** valve the obvious choice.

NOTE: Please take precautionary measures when welding to prevent heat build-up and possible damage to the valve seat. See page 52 for additional installation information.



Nom. Pipe Size	Size Code	A	B ^①	C ^② & D ^②	Orifice Diameter
1/2	D	2.16	15/16	0.622	0.348
3/4	F	2.71	1-3/16	0.824	0.464
1	H	2.95	1-1/2	1.049	0.593
1-1/4	I	3.64	1-7/8	1.380	0.890
1-1/2	J	3.91	2-1/4	1.610	1.135
2	K	4.36	2-3/4	2.067	1.385
2-1/2*	L	5.00	3-1/4	2.469	1.555
3	M	5.44	3-3/4	3.068	2.025
4	N	6.80	4-3/4	4.026	2.560

^① May be larger.

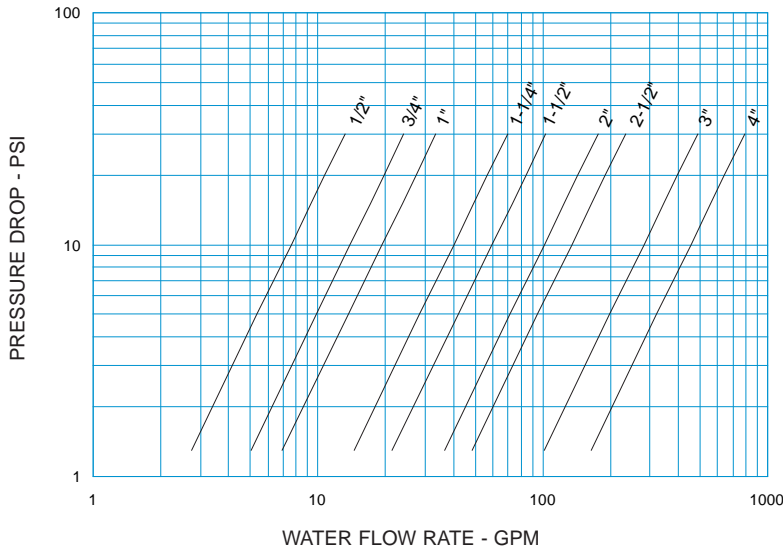
^② Ends per ASME/ANSI B16.25 for schedule 40 pipe.

*Not a stock item. Consult factory for delivery.

Body Material ^③	Availability	Non-Shock Pressure-Temperature Rating			
		1/2 - 1	1-1/4 - 2-1/2	3	4
316/316L Stainless Steel (SS)	Standard	5000 PSIG @ 100°F (1500 PSIG for o-ring seats)	4000 PSIG @ 100°F (1500 PSIG for o-ring seats)	3000 PSIG @ 100°F (1500 PSIG for o-ring seats)	1500 PSIG @ 100°F
Carbon Steel (CS)					
Alloy 20 (A2)	Semi-standard				
Alloy C-276 (HC)					
Monel [®] (MO)					
Alloy B (HB)	Contact the factory for this or other materials				

^③ See page 54 for material grade information.

Butt Weld Valve
For Water at 72°F

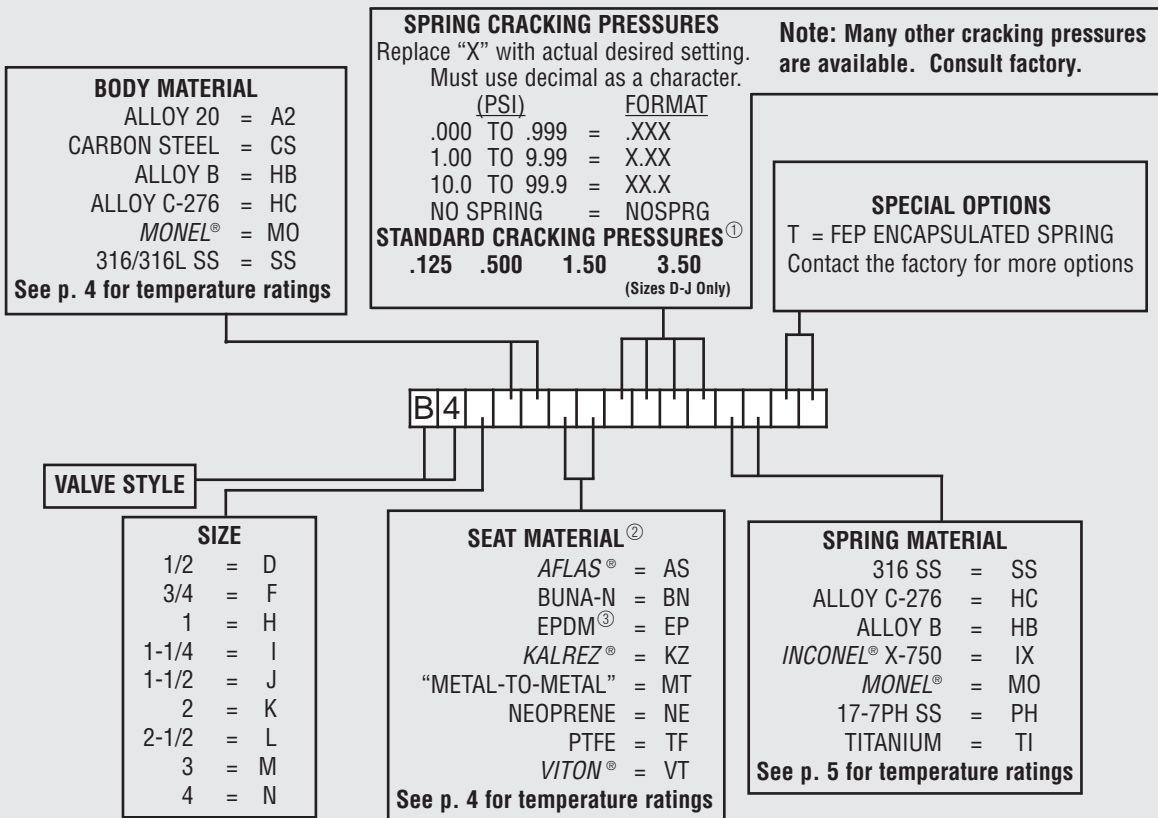


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE B4 C _v VALUES & VALVE WEIGHTS		
C _v	SIZE	SS & CS Alloys
2.4	1/2	4.6 oz.
4.4	3/4	8.8 oz.
6.1	1	14.8 oz.
12.7	1-1/4	1.7 lb.
18.8	1-1/2	2.6 lb.
32.0	2	4 lb.
42.5	2-1/2	6.3 lb.
89.0	3	8.3 lb.
144	4	15 lb.

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

**HOW TO ORDER
CHECK-ALL STYLE B4**



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. "Metal-to-Metal" and PTFE seats are not resilient. See page 51 for allowable leakage rates.
- ③ EP seats not recommended for use with Carbon Steel valves.