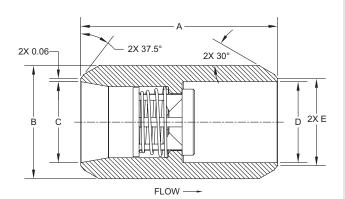


The **Butt Weld (B4, B8)** check valve has a one piece body machined from bar stock, eliminating porosity concerns and providing uniform density for more consistent welds. Made to ASME/ANSI B16.25 for schedule 40 pipe (B4), or schedule 80 pipe (B8). Contact factory for other pipe schedule availability. It carries rugged, dependable Check-All® trim with a wide variety of seat materials and cracking pressures to choose from. The Butt Weld valve can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.

CAUTION: Please take sufficient measures when welding to prevent heat build-up and possible damage to the valve seat. See page 55 for additional installation information.



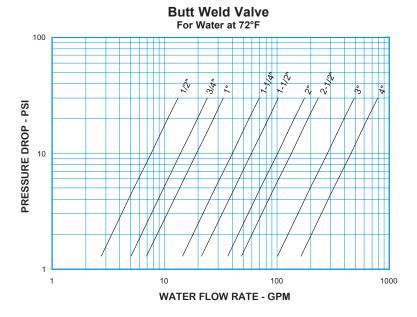
Note: Many valves in this series can be supplied with B16.34 certification. Consult the factory for more information.

Nom. Pipe Size	Size Code	A	BO	B4 Valve C & D	B8 Valve C & D	E	Orifice Diameter
1/2	D	2.16	15/16	0.622	0.546	0.84	0.348
3/4	F	2.71	1-3/16	0.824	0.742	1.05	0.464
1	Н	2.95	1-1/2	1.049	0.957	1.32	0.593
1-1/4	- 1	3.64	1-7/8	1.380	1.278	1.66	0.890
1-1/2	J	3.91	2-1/4	1.610	1.500	1.90	1.135
2	K	4.36	2-3/4	2.067	1.939	2.38	1.385
2-1/2	L	5.00	3-1/4	2.469	2.323	2.88	1.555
3	М	5.44	3-3/4	3.068	2.900	3.50	2.025
4	N	6.80	4-3/4	4.026	3.826	4.50	2.560

May be larger.

Body Material ²	Availability	Non-Shock Pressure-Temp. Rating @ 100°F Consult factory for P-T rating above 100°F				
316/316L Stainless Steel (SS)	Ctondord					
Carbon Steel (CS)	Standard					
Alloy 20 (A2)		1/2" - 1"	1-1/4" - 2-1/2"	3"	4"	
Alloy C-276 (HC)	Semi-standard	5000 PSIG (1500 PSIG for o-ring seats)	4000 PSIG (1500 PSIG for o-ring seats)	3000 PSIG (1500 PSIG for o-ring seats)	1500 PSIG	
MONEL® 400 or Alloy R405 (MO)						
Alloy B (HB)	Contact the factory for these or other materials					

2 See page 57 for material grade information.

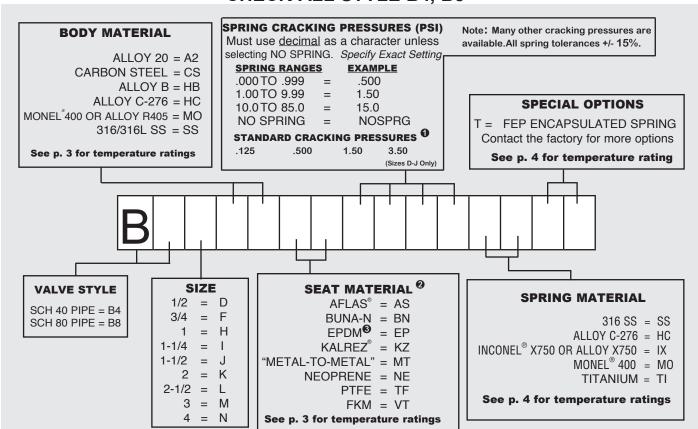


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE B4 & B8 C _V VALUES & VALVE WEIGHTS				
C _v	SIZE	SS & CS		
2.4	1/2	4.6oz.		
4.4	3/4	9.1oz.		
6.1	1	15.0oz.		
12.7	1-1/4	1.7 lb.		
18.8	1-1/2	2.6 lb.		
32.0	2	4.1 lb.		
42.5	2-1/2	6.3 lb.		
89.0	3	8.4 lb.		
144	4	15.2lb.		

See page 53 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE B4, B8



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. 0.125 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 54 for allowable leakage rates.
- EP seats not recommended for use with Carbon Steel valves.