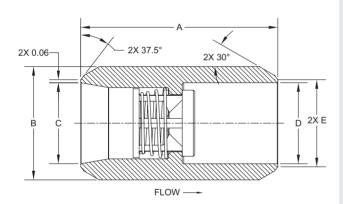






The **Butt Weld (B4, B8)** check valve is a one piece body machined from bar stock, eliminating porosity concerns and providing uniform density for more consistent welds. Made to ASME/ANSI B16.25 for schedule 40 pipe (B4), or schedule 80 pipe (B8) it carries rugged, dependable Check-All\* trim with a 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 53 for additional installation information.



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

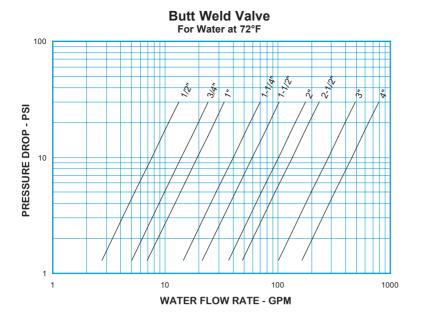
Nom. Pipe Size	Size Code	А	во	B4 Valve C & D	B8 Valve C & D	E	Orifice Diameter
1/2	D	2.16	15/16	0.622	0.546	0.84	0.348
3/4	F	2.71	1-3/16	0.824	0.742	1.05	0.464
1	Н	2.95	1-1/2	1.049	0.957	1.32	0.593
1-1/4	- 1	3.64	1-7/8	1.380	1.278	1.66	0.890
1-1/2	J	3.91	2-1/4	1.610	1.500	1.90	1.135
2	K	4.36	2-3/4	2.067	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 <sup>©</sup>	ody Material <sup>©</sup> Availability		Non-Shock Pressure-Temp. Rating @ 100°F Consult factory for P-T rating above @ 100°F			
316/316L Stainless Steel (SS)	Chandoud					
Carbon Steel (CS)	Standard	1/2" - 1" 5000 PSIG (1500 PSIG for o-ring seats)	1-1/4" - 2-1/2" 4000 PSIG (1500 PSIG for o-ring seats)	3" 3000 PSIG (1500 PSIG for o-ring seats)		
Alloy 20 (A2)					4" 1500 PSIG	
Alloy C-276 (HC)	Semi-standard					
MONEL® 400 or Alloy R405						
Alloy B (HB)	Contact the factory for these or other materials					

2 See page 55 for material grade information.

2019 MADE IN USA CHECK-ALL VALVE MFG. CO. Phone: 515-224-2301 Fax: 515-224-2326

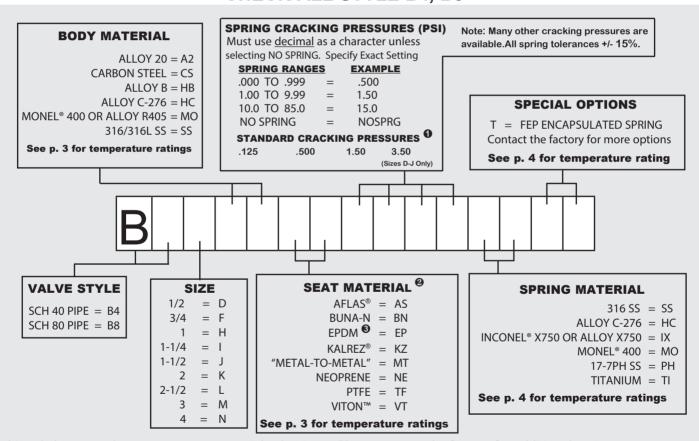


**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE B4 & B8 C <sub>V</sub> VALUES & VALVE WEIGHTS					
C <sub>V</sub>	SIZE	SS & CS ALLOYS			
2.4	1/2	4.6 oz.			
4.4	3/4	9.1 oz.			
6.1	1	15.0 oz.			
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	15.2 lb.			

See page 51 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. .125 PSI springs are not recommended for installations with flow vertical down.
- 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 52 for allowable leakage rates.
- 3 EP seats not recommended for use with Carbon Steel valves.

www.checkall.com sales@checkall.com ISO 9001 CERTIFIED MADE IN USA 2019

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.