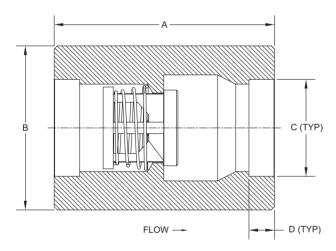


The **Universal Socket Weld (US)** check valve is a one piece body machined from bar stock with socket weld ends and is designed for minimum pressure drop. It carries rugged, dependable Check-All® trim and there are wide variety of seat materials and cracking pressures to choose from. The socket ends are machined to ASME/ANSI B16.11 dimensions. The US 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	в 0	C 20	D @	Orifice Diameter
1/4	В	2.16	1	0.563	0.385	0.348
3/8	С	2.16	1-1/8	0.695	0.385	0.348
1/2	D	2.71	1-5/16	0.860	0.385	0.464
3/4	F	2.95	1-5/8	1.070	0.505	0.593
1	Н	3.64	2-1/4	1.335	0.505	0.890
1-1/4	I	3.91	2-3/4	1.680	0.505	1.135
1-1/2	J	4.36	3-1/4	1.920	0.505	1.385
2	K	5.85	3-1/2	2.411	0.625	1.555
2-1/2	L	5.00	3-3/4	2.919	0.625	1.555
3	M	5.44	4-1/2	3.545	0.625	2.025
4	N	6.80	5-1/2	4.550	0.755	2.560

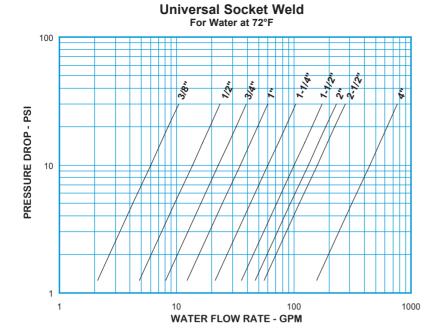
**<sup>1</sup>** May be larger.

<sup>2</sup> Sockets per ASME/ANSI B16.11.

Body 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)	Standard			
Carbon Steel (CS)	Standard	1/4" - 2-1/2" 5000 PSIG (1500 PSIG for o-ring seats)	3" 3000 PSIG (1500 PSIG for o-ring seats)	
Alloy 20 (A2)				4"
Alloy C-276 (HC)	Semi-standard			1500 PSIG
MONEL® 400 or Alloy R405				
Alloy B (HB)	Contact the factory for these or other materials			

**<sup>3</sup>** See page 56 for material grade information.

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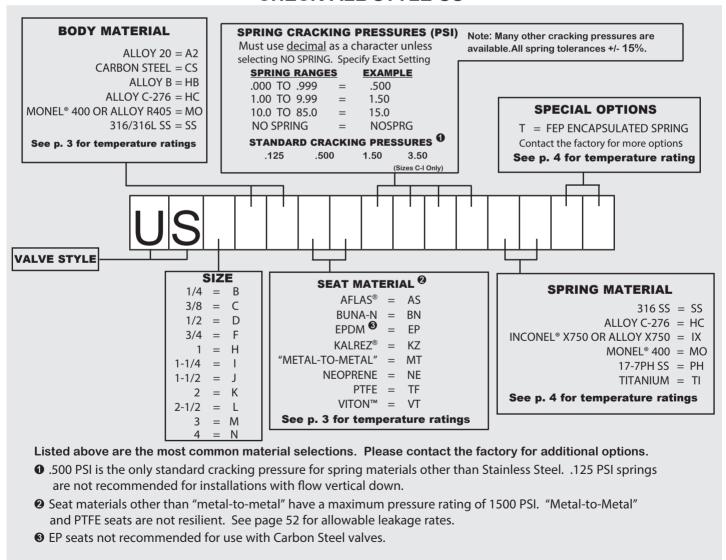


**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE US C <sub>V</sub> VALUES & VALVE WEIGHTS					
C <sub>V</sub>	SIZE	SS & CS ALLOYS			
1.5	1/4	4.0 oz.			
1.9	3/8	5.1 oz.			
4.3	1/2	11.5 oz.			
7.2	3/4	1.2 lb.			
11.0	1	3.1 lb.			
28.8	1-1/4	4.9 lb.			
31.9	1-1/2	7.4 lb.			
42.0	2	9.8 lb.			
50.0	2-1/2	8.8 lb.			
89.0	3	13 lb.			
140	4	22.3 lb.			

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

## HOW TO ORDER CHECK-ALL STYLE US



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.