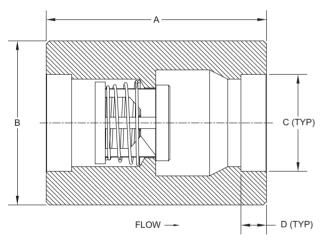


The **Universal Socket Weld (US)** check valve is a one piece body machined from bar stock with socket weld ends and is designed for minimum pressure drop. It carries rugged, dependable Check-All<sup>®</sup> trim and there are wide variety of seat materials and cracking pressures to choose from. The 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.



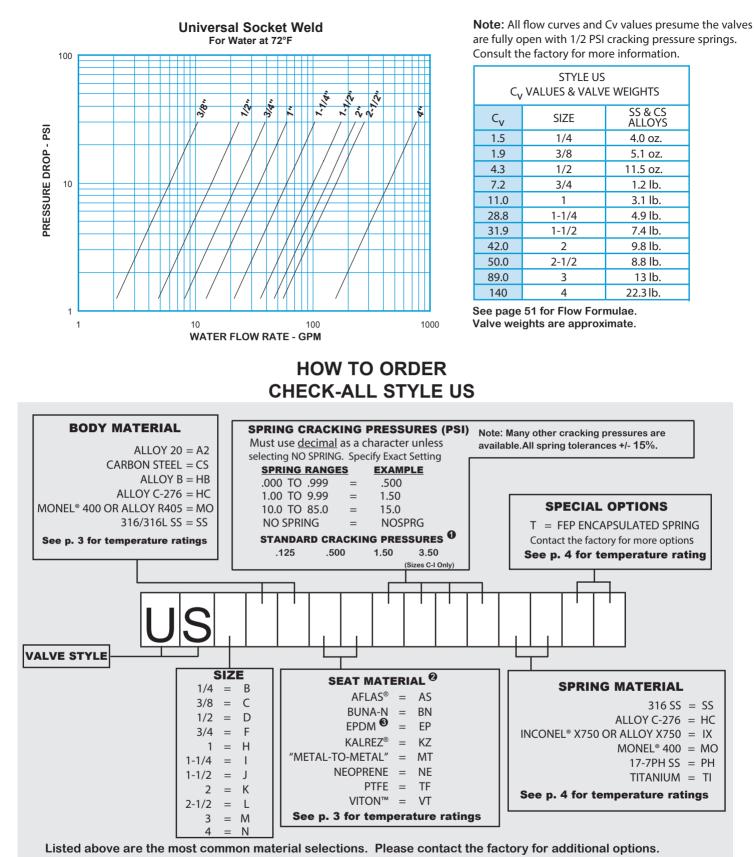
Nom. Pipe Size	Size Code	А	в <b>0</b>	C @	D 00	Orifice Diameter		
1/4	В	2.16	1	0.563	0.385	0.348		
3/8	С	2.16	1-1/8	0.695	0.385	0.348		
1/2	D	2.71	1-5/16	0.860	0.385	0.464		
3/4	F	2.95	1-5/8	1.070	0.505	0.593		
1	Н	3.64	2-1/4	1.335	0.505	0.890		
1-1/4	I	3.91	2-3/4	1.680	0.505	1.135		
1-1/2	J	4.36	3-1/4	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	М	5.44	4-1/2	3.545	0.625	2.025		
4	N	6.80	5-1/2	4.550	0.755	2.560		
May be larger.								

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

Sockets per ASME/ANSI B16.11.

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

**③** See page 56 for material grade information.



• 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.
- EP seats not recommended for use with Carbon Steel valves.

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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.

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TRI-CLAMP<sup>®</sup> - Alfa Laval Inc. AFLAS<sup>®</sup> - AGC, Inc.