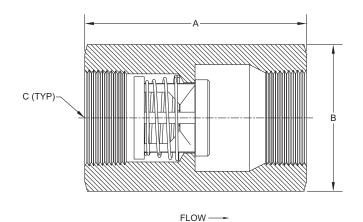






The **Universal Low Pressure (U3, UR)** check valve is a one piece body machined from bar stock and is designed for minimum pressure drop. The valve has a light-weight, compact design that provides maintenance-free, dependable service. NPT threads are per ASME B1.20.1. Also available with ISO 7 "Rp" threads. (UR). These valves can also be used as a low pressure relief valve or vacuum breaker by using the desired spring settings.

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	Hex ① Size B	С	Orifice Diameter
3/8	С	2.16	13/16	3/8 NPT	0.348
1/2	D	2.71	1-1/8	1/2 NPT	0.464
3/4	F	2.95	1-1/4	3/4 NPT	0.593
1	Н	3.64	1-5/8	1 NPT	0.890
1-1/4	I	3.91	2-1/4	1-1/4 NPT	1.135
1-1/2	J	4.36	2-1/2	1-1/2 NPT	1.385
2	K	5.85	3	2 NPT	1.555
2-1/2	L	5.50	3-3/4	2-1/2 NPT	1.555
3	M	6.25	4-1/2	3 NPT	2.025
4	N	7.13	5-1/2	4 NPT	2.560

• May be larger and/or round.

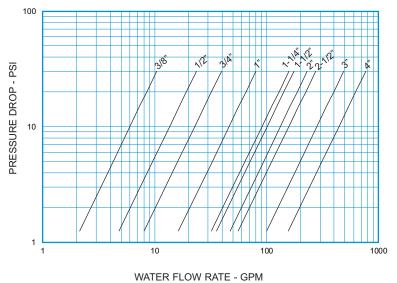
Body Material 2	Availability	Non-Shock Pressure-Temperature Rating	
316 Stainless Steel (SS)			
Carbon Steel (CS)	Standard		
Brass (BR)		3/8" - 3" 3000 PSIG @ 100°F (1500 PSIG for o-ring seats)	4" 1500 PSIG @ 100°F
Alloy 20 (A2)			
Alloy C-276 (HC)	Semi-standard		
Alloy 400 or Monel ® (MO)			
Alloy B (HB)	Contact the factory for these or		
Titanium (TI)	other materials		

2 See page 54 for material grade information.

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Universal Low Pressure For Water at 72°F

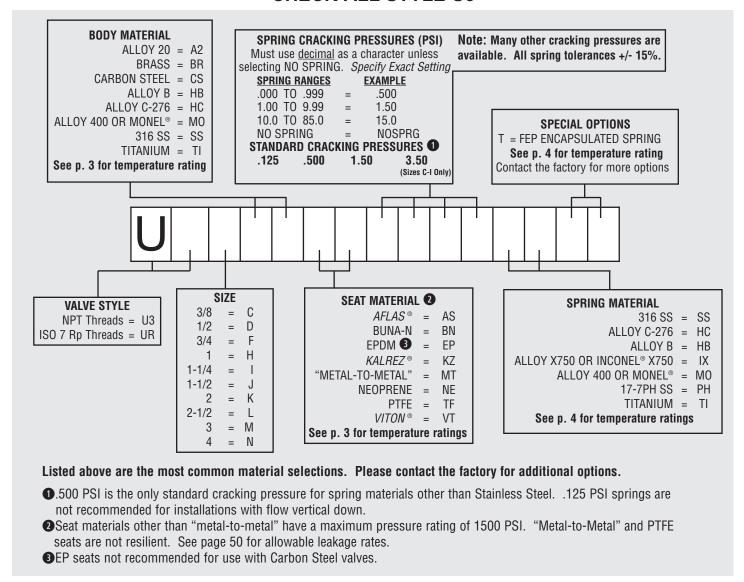
Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.



STYLE U3 C _V VALUES & VALVE WEIGHTS						
C _V	SIZE	SS & CS ALLOYS	BRASS			
1.9	3/8	3.0 oz.	3.3 oz.			
4.3	1/2	8.5 oz.	9.1 oz.			
7.2	3/4	9.6 oz.	10.1 oz.			
14.6	1	1.2 lb.	1.3 lb.			
28.8	1-1/4	2.9 lb.	3.2 lb.			
31.9	1-1/2	3.6 lb.	3.9 lb.			
42.0	2	6.5 lb.	7.2 lb.			
50.0	2-1/2	9.2 lb.	10 lb.			
89.0	3	14.3 lb.	15.5 lb.			
140	4	21.7 lb.	23.9 lb.			

See page 49 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE U3



VITON®