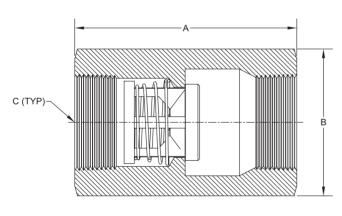






The **Universal Low Pressure (U3, UR)** check valve is a one piece body machined from bar stock and is designed for minimum pressure drop. The valve has a light-weight, compact design that provides maintenance-free, dependable service. NPT threads are per ASME B1.20.1. Also available with ISO 7 "Rp" 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.



FLOW --

Nom. Pipe Size	Size Code	A	Hex <sup>0</sup> Size B	С	Orifice Diameter
3/8	C	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	Η	3.64	1-5/8	1 NPT	0.890
1-1/4		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	М	6.25	4-1/2	3 NPT	2.025
4	N	7.13	5-1/2	4 NPT	2.560

1 May be larger and/or round.

Body Material <sup>2</sup>	Availability	Non-Shock Pressure-Temp. Rating @ 100° F Consult factory for P-T rating above 100° F	
316 Stainless Steel (SS)			
Carbon Steel (CS)	Standard		
Brass (BR)		3/8" - 3" 3000 PSIG (1500 PSIG for o-ring seats)	4″ 1500 PSIG
Alloy 20 (A2)			
Alloy C-276 (HC)	Semi-standard		
MONEL® 400 or Alloy R405			
Alloy B (HB)	Contact the factory for these or		
Titanium (TI)	other materials		

2 See page 56 for material grade information.

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

## **Universal Low Pressure** For Water at 72°F 100 PRESSURE DROP - PSI

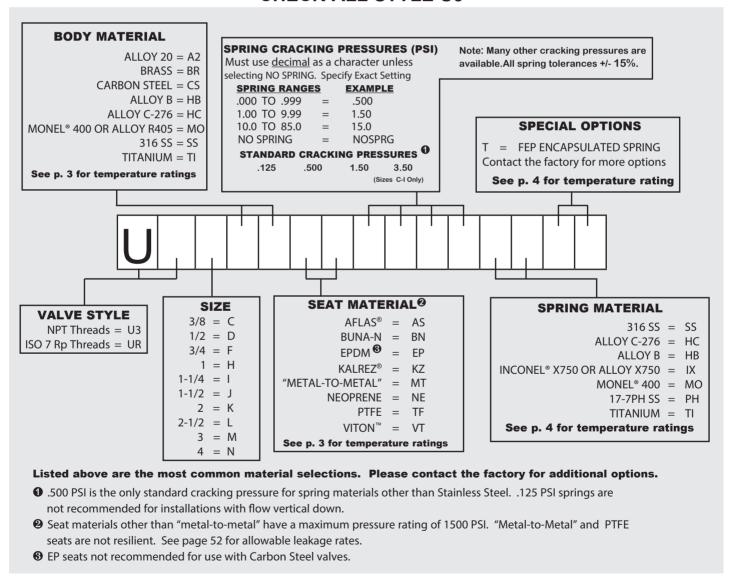
**WATER FLOW RATE - GPM** 

**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 <sub>V</sub> VALUES & VALVE WEIGHTS						
C <sub>V</sub>	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 51 for Flow Formulae. Valve weights are approximate.

## **HOW TO ORDER CHECK-ALL STYLE U3**



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.