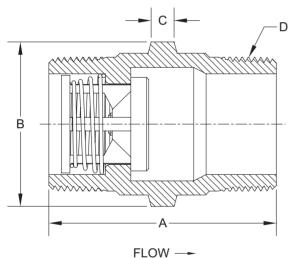






The Connector (CN, CR) check valve is a valve with a pipe nipple or connector housing. It is designed to be used in installations where a check valve with male pipe threads is required. The CN valve is adaptable for use as a low pressure relief valve or vacuum breaker by using the desired spring settings. Two valves used in combination make an excellent pressure vacuum vent. NPT threads are per ASME B1.20.1. Also available with ISO 7 "R" threads (CR).



Nom. Pipe Size	Size Code	Α	Hex 0 Size B	С	D	Orifice Diameter
1/2	D	2.34	7/8	0.28	1/2 NPT	0.348
3/4	F	2.34	1-1/8	0.27	3/4 NPT	0.464
1	Н	3.00	1-3/8	0.35	1 NPT	0.593
1-1/4	I	3.00	1-3/4	0.33	1-1/4 NPT	0.890
1-1/2	J	3.19	2	0.32	1-1/2 NPT	1.135
2	K	3.68	2-1/2	N/A	2 NPT	1.385
2-1/2	L	5.00	3-1/4	N/A	2-1/2 NPT	1.555
3	М	5.50	4	N/A	3 NPT	2.025
4	N	5.00	4-1/2	N/A	4 NPT	2.560

1 May be larger and/or round.

Body Material 2	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	1/2" - 3" 3000 PSIG (1500 PSIG for o-ring seats)	4" 1500 PSIG	
Brass (BR)				
Alloy 20 (A2)				
Alloy C-276 (HC)	Semi-standard			
MONEL® 400 / Alloy R405(MO)				
Alloy B (HB)	Contact the factory for these or			
Titanium (TI)	other materials			

2 See page 57 for material grade information.

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

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 CN, CR C _V VALUES & VALVE WEIGHTS					
C _v	SIZE	SS & CS			
2.3	1/2	2.5 oz.			
4.3	3/4	3.9 oz.			
6.5	1	7.5 oz.			
10.2	1-1/4	10.9 oz.			
18.3	1-1/2	1.5 lb.			
32.7	2	2.7 lb.			
49.2	2-1/2	5.0 lb.			
89.0	3	8.9 lb.			
140	4	11.1 lb.			

See page 53 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE CN, CR

