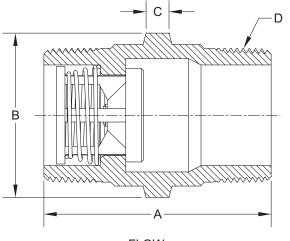


The **Connector (CN)** valve is a check valve with a pipe nipple or connector housing. It is designed to be used in installations where a check valve with male pipe threads are required. The Connector valve is adaptable for use as a check valve, vacuum breaker, or low pressure relief valve. Two valves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



Nom. Pipe Size	Size Code	A	Hex ^① Size B	C	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		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	0.38	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	Ν	5.00	5	0.75	4 NPT	2.560	
^① May be	$^{\odot}$ May be larger and/or round.						

FLOW ---

Body Material $^{\odot}$	Availability	Non-Shock Pressure-Temperature Rating		
316 Stainless Steel (SS)			4" 1500 PSIG @ 100°F	
Carbon Steel (CS)	Standard			
Brass (BR)				
Alloy 20 (A2)		1/2" - 3" 3000 PSIG @ 100°F		
Alloy C-276 (HC)	Semi-standard	(1500 PSIG for o-ring seats)		
Monel® (MO)				
Alloy B (HB)	Contact the factory for these or			
Titanium (TI)	other materials			

 $^{(2)}$ See page 54 for material grade information.

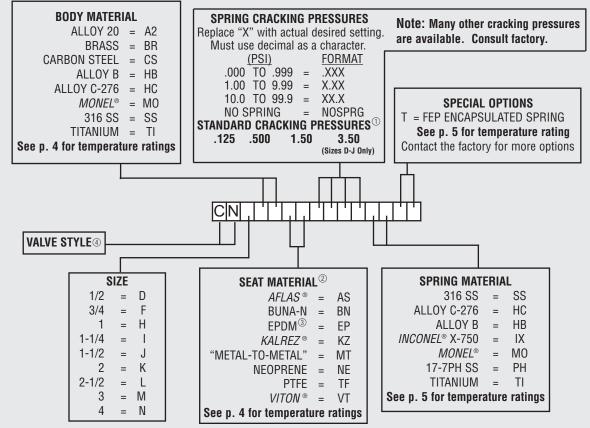
Connector For Water at 72°F

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 CN (CON)						
C _V VALUES & VALVE WEIGHTS						
Cv	SIZE	ALL MATL				
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	10.3 lb.				

See page 50 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE CN (CON)



Listed above are the most common material selections. Please contact the factory for additional options.

⁽¹⁾.500 PSI is the only standard cracking pressure for spring materials other than Stainless Steel. Cracking

pressure tolerance is +/- 15%. .125 PSI springs are not recommended for installations with flow vertical down. ⁽²⁾ 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 51 for allowable leakage rates.

- ⁽³⁾EP seats not recommended for use with Carbon Steel valves.
- ^④Use "CR" for valves with ISO 7 "R" threads.

www.checkall.com

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ISO 9001:2008 CERTIFIED

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