Right Angle Check Valves

Model Code

C 2 (S) - 8 ** - (***)

1 2 3 4 5 6

1 Check Valve

2 Design Number

Subject to change.

3 Port Threads

Blank – NPT threads
S – Straight threads

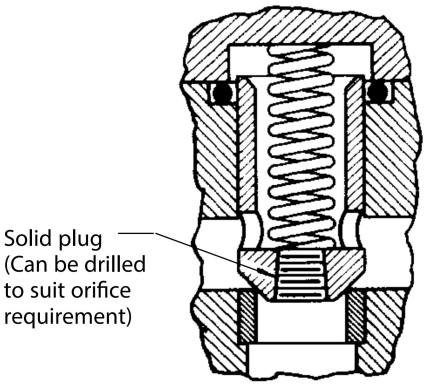
4 Right Angle Type Valve

5 Port Size

00 – 1/4″ NPT
05 – 3/8″ NPT or .7500-16 UNF-2B (.500 tubing)
15 – 3/4″ NPT or 1.0625-12 UNF-2B (.750 tubing)
20 – 1″ NPT
25 – 1-1/4″ NPT or 1.6250-12 UNF-2B (1.250 tubing)
30 – 1-1/2″ NPT
35 – 2″ NPT

6 Cracking Pressure

Blank – 0,3 bar (5 psi), standard
S2 – 2,4 bar (35 psi)
S3 – 3,4 bar (50 psi)
S8 – 5,2 bar (75 psi)
S12 – 0,3 bar (5 psi) and plug in poppet. (See view below.)
S17 – 8.6 bar (125 psi)
S19 – 1,4 bar (20 psi)



Construction of "S12 " Cracking Pressures Model

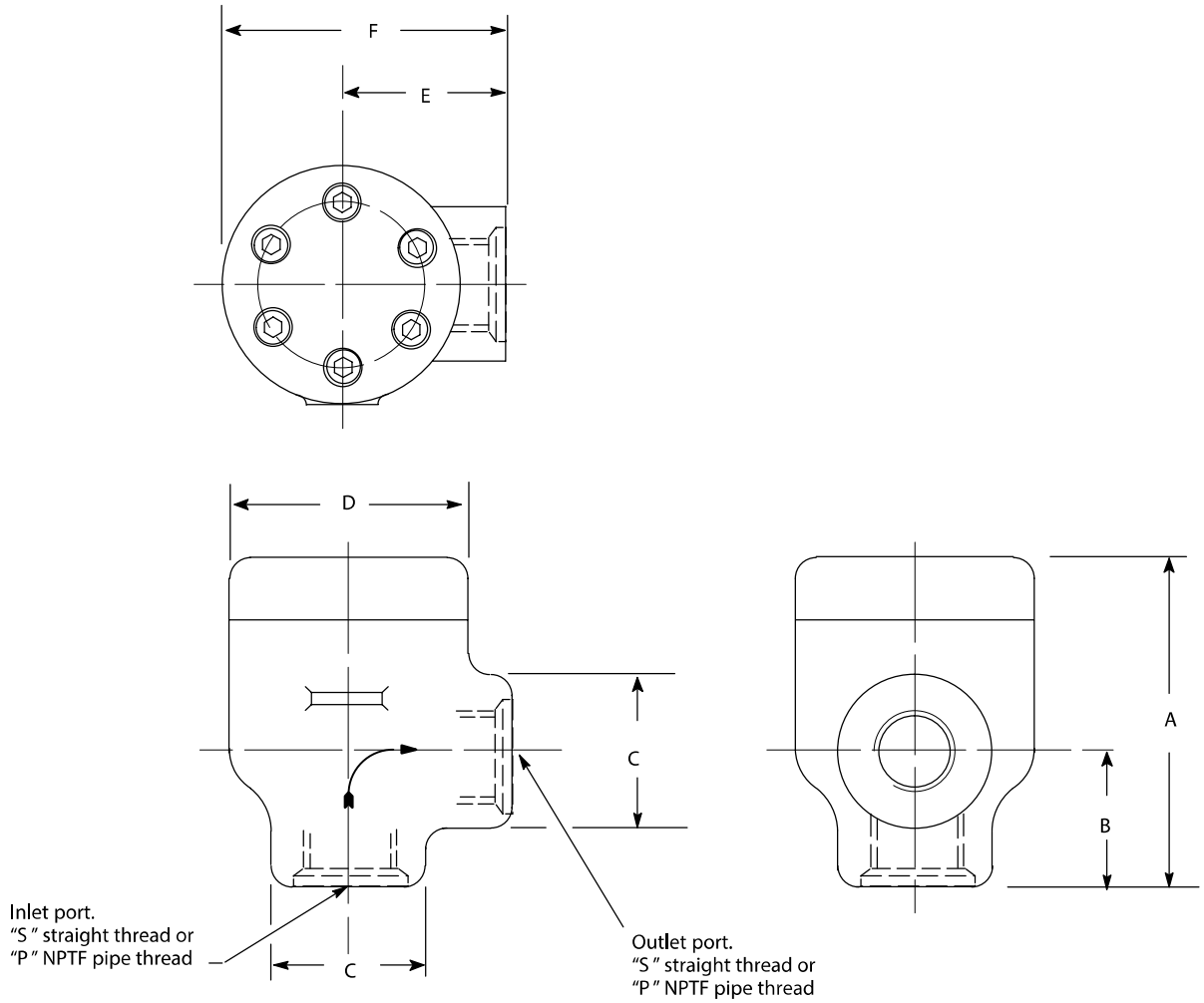
Ratings and Specifications

Model Series	Maximum Operating Pressure bar (psi)	Nominal Flow Capacity l/min (USgpm)	Approximate Pressure Drop at Rated Flow bar (psi) †	Approx. Weight kg (lb)
C2-800	210 (3000)	11 (3)	1,2 (18)	1,4 (3)
C2(S)-805	210 (3000)	25 (6)	1,4 (20)	1,4 (3)
C2(S)-815	210 (3000)	60 (16)	1,4 (20)	2,3 (5)
C2-820	210 (3000)	100 (28)	1,0 (14)	3,6 (8)
C2(S)-825	210 (3000)	170 (45)	1,0 (14)	4,8 (10.5)
C2-830	210 (3000)	250 (65)	1,6 (23)	4,8 (10.5)
C2-835	210 (3000)	400 (100)	1,4 (20)	12,2 (27)

† Using SAE 10W Oil at 49 °C (120 °F)

Installation Dimensions

Millimeters (Inches)



Model Series	"S" Straight Thread	"P" Pipe Thread	A	B	C	D	E	F
C2-800	–	1/4" NPT	74,7 (2.94)	26,1 (1.03)	31,8 (1.25)	53,8 (2.12)	31,8 (1.25)	58,7 (2.31)
C2(S)-805	.7500-16 UNF-2B	3/8 " NPT	74,7(2.94)	26,1 (1.03)	31,8 (1.25)	53,8 (2.12)	31,8 (1.25)	58,7 (2.31)
C2(S)-815	1.0625-12 UNF-2B	3/4" NPT	98,6 (3.88)	44,4 (1.75)	50,8 (2.00)	69,8 (2.75)	46,0 (1.81)	81,0 (3,19)
C2-820	–	1" NPT	115,8 (4.56)	46,7 (1.84)	57,1 (2.25)	82,6 (3.25)	57,1 (2.25)	98,6 (3.88)
C2(S)-825	1.6250-12 UNF-2B	1-1/4" NPT	138,2 (5.44)	66,5 (2.62)	76,2 (3.00)	82,6 (3.25)	66,5 (2.62)	107,9 (4.25)
C2-830	–	1-1/2" NPT	138,2 (5.44)	66,5 (2.62)	76,2 (3.00)	82,6 (3.25)	66,5 (2.62)	107,9 (4.25)
C2-835	–	2" NPT	187,4 (7.38)	73,1 (2.88)	88,9 (3.50)	114,3 (4.50)	91,9 (3.62)	149,3 (5.88)

† Using SAE 10W Oil at 49 °C (120 °F)