CVS SERIES

Stainless steel in-line check valves

INTRODUCTION

Holmbury's CVS Series stainless steel in-line check valves are designed to suit a wide range of applications. The CVS Series check valve allows flow in one direction and blocks it in the opposite direction. The flow is only allowed once a pre-set cracking pressure is reached.

CONSTRUCTION

- AISI 316 stainless steel
- Fitted with Viton seals (Other seals available on request)
- Also available in carbon steel (See CV Series)

FEATURES

- Various cracking pressures are available
- Single directional flow

SPECIFICATIONS

- Operating temperatures (With Viton seals): -20°C (-4°F) to 200°C (392°F)

APPLICATIONS

- Corrosive fluids and environments
- Marine
- Oil and gas
- Chemical
- Pharmaceutical
- Nuclear

ORDER CODES

CVS 19 - 12 G M - 12 G M - 0.5

Series
CVS

Body Size
06 - ¼" 25 - 1"
10 - ⅜" 32 - 1¼"
12 - ½" 40 - 1½"
19 - ¾" 50 - 2"

Thread Size (P1)
04 - ¼" 16 - 1"
06 - ⅜" 20 - 1¼"
08 - ½" 24 - 1½"
12 - ¾" 32 - 2"

Thread Type
G = BSPP
N = NPT
S = SAE

Thread Gender
M = Male
Blank = Female

Thread Size (P2)
04 - ¼" 16 - 1"
06 - ⅜" 20 - 1¼"
08 - ½" 24 - 1½"
12 - ¾" 32 - 2"

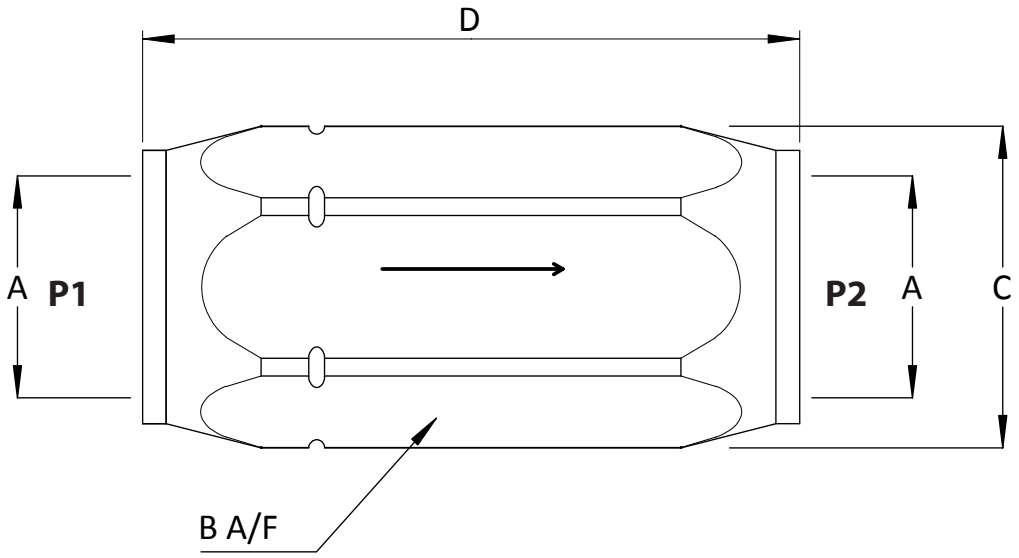
Thread Type
G = BSPP
N = NPT
S = SAE

Thread Gender
M = Male
Blank = Female

Cracking Pressure*
0.5 bar

*Special cracking pressures available on request

DRAWING



DIMENSIONS

Size	Thread Size (A)	B	ØC	D	Maximum Working Pressure	Burst Pressure
		Dimensions in mm			Bar	
		Dimensions in Inches			Psi	
CVS 06	1/4″	19.0	21.0	50.0	350	1225
		0.7	0.8	2.0	5075	17763
CVS 10	3/8″	24.0	27.0	60.0	350	1225
		0.9	1.1	2.4	5075	17763
CVS 12	1/2″	27.0	33.0	65.0	350	1225
		1.1	1.3	2.6	5075	17763
CVS 19	3/4″	34.0	40.0	75.0	300	1050
		1.3	1.6	3.0	4350	15225
CVS 25	1″	41.0	49.0	93.0	250	875
		1.6	1.9	3.7	3625	12688
CVS 32	1 1/4″	50.0	63.2	110.0	250	875
		2.0	2.5	4.3	3625	12688
CVS 40	1 1/2″	55.0	75.0	112.0	250	875
		2.2	3.0	4.4	3625	12688
CVS 50	2″	75.0	84.0	160.0	200	700
		3.0	3.3	6.3	2900	10150

PSI= Bar x14.5 Inches= mm/25.4