

# CV SERIES

## In-line check valves

### INTRODUCTION

Holmbury's CV Series in-line check valves are designed to suit a wide range of applications. The CV 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

- Carbon steel with trivalent plating
- Metal to metal sealing
- Also available in AISI 316 stainless steel (See CVS Series)
- Also available in Brass (See CVB Series)

### FEATURES

- Various cracking pressures are available
- Single directional flow
- Bleed hole can be provided to allow gradual dissipation of the pressure in the hydraulic circuit beyond the check once the primary valve is opened to tank



### APPLICATIONS

- Designed for usage in general hydraulic systems, machine tools, test equipment, agricultural, and mobile hydraulics

### ORDER CODES

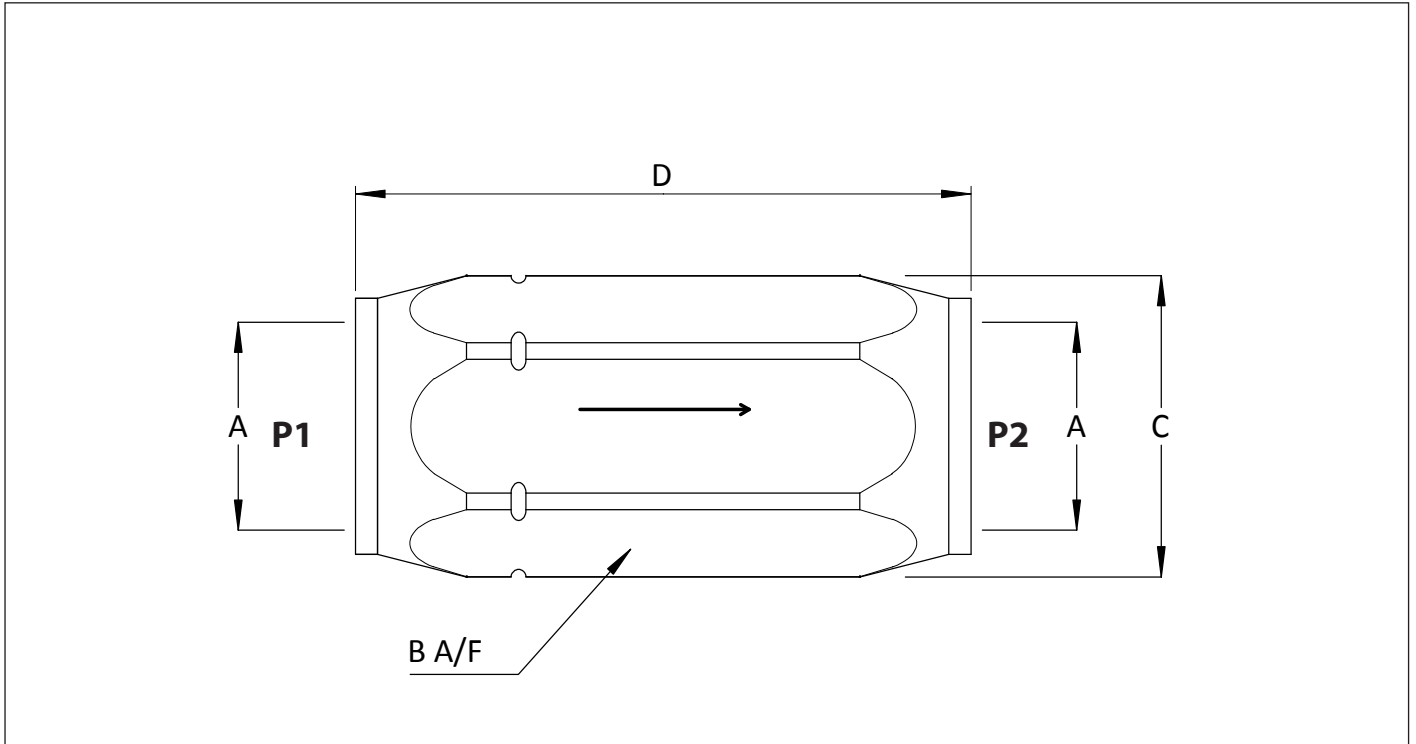
		CV	19 - 12	G	M - 12	G	M - 0.35	Cracking Pressure*
<b>Series</b>								0.35   4.5 bar
CV								<b>Thread Gender</b>
								M = Male Blank = Female
<b>Body Size</b>								<b>Thread Type</b>
06 - 1/4"	25 - 1"							G = BSPP N = NPT
10 - 3/8"	32 - 1 1/4"							
12 - 1/2"	40 - 1 1/2"							
19 - 3/4"	50 - 2"							
<b>Thread Size (P1)</b>				<b>Thread Type</b>		<b>Thread Size (P2)</b>		
04 - 1/4"	16 - 1"			G = BSPP		04 - 1/4"	16 - 1"	
06 - 3/8"	20 - 1 1/4"			N = NPT		06 - 3/8"	20 - 1 1/4"	
08 - 1/2"	24 - 1 1/2"			S = SAE		08 - 1/2"	24 - 1 1/2"	
12 - 3/4"	32 - 2"			FS = ORFS		12 - 3/4"	32 - 2"	
				<b>Thread Gender</b>				
				M = Male Blank = Female				

\*Special cracking pressures available on request

Contact Holmbury for special requests on thread types/sizes not listed



## DRAWING



## DIMENSIONS

Size	Thread Size (A)	B	ØC	D	Maximum Working Pressure	Burst Pressure
		Dimensions in mm			Bar	
		Dimensions in Inches			Psi	
CV 06	1/4"	19	21	58	400	1200
		0.7	0.8	2.3	5800	17400
CV 10	3/8"	24	27	62.2	400	1200
		0.9	1.1	2.4	5800	17400
CV 12	1/2"	30	33	79.2	350	1050
		1.2	1.3	3.1	5075	15225
CV 19	3/4"	36	40	83.1	350	1050
		1.4	1.6	3.3	5075	15225
CV 25	1"	45	49	106.2	350	1050
		1.8	1.9	4.2	5075	15225
CV 32	1 1/4"	55	63.2	127	250	750
		2.2	2.5	5.0	3625	10875
CV 40	1 1/2"	65	75	138	250	750
		2.6	3.0	5.4	3625	10875
CV 50	2"	75	84	160	250	750
		3.0	3.3	6.3	3625	10875

PSI= Bar x14.5 Inches= mm/25.4