

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

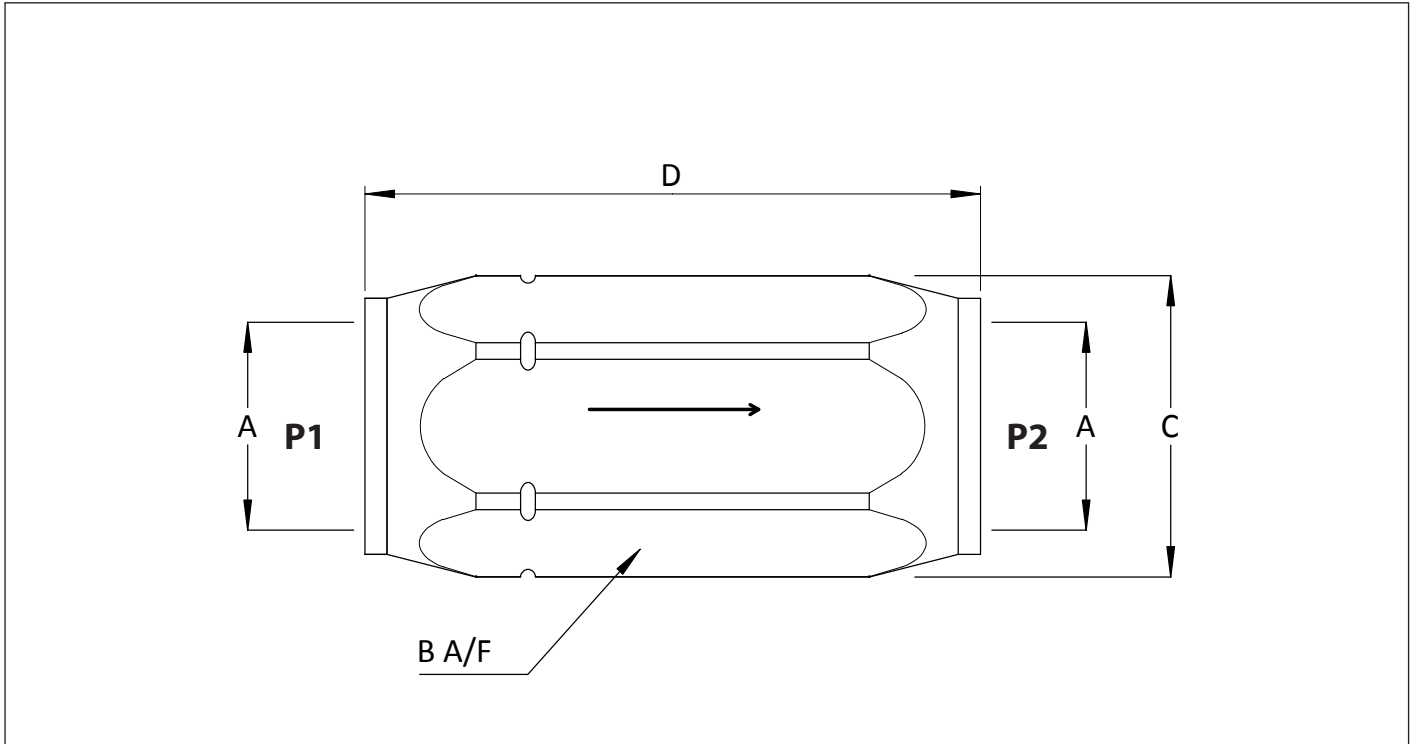
ORDER CODES

		CV	19 - 12	G	M - 12	G	M - 0.35	Cracking Pressure*	
								7 58 116 PSI	
Series									
CV									
Body Size									
06 - 1/4"	25 - 1"								
10 - 3/8"	32 - 1 1/4"								
12 - 1/2"	40 - 1 1/2"								
19 - 3/4"	50 - 2"								
Thread Size (P1)									
04 - 1/4"	16 - 1"	Thread Type					Thread Size (P2)		
06 - 3/8"	20 - 1 1/4"	G = BSPP					04 - 1/4"	16 - 1"	
08 - 1/2"	24 - 1 1/2"	N = NPT					06 - 3/8"	20 - 1 1/4"	
12 - 3/4"	32 - 2"	S = SAE					08 - 1/2"	24 - 1 1/2"	
		FS = ORFS					12 - 3/4"	32 - 2"	
			Thread Gender						
			M = Male						
			Blank = Female						
				Thread Gender					
				M = Male					
				Blank = Female					

*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	
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

*Dimensions based on BSPP threads

PSI= Bar x14.5 Inches= mm/25.4

