

Stainless steel in-line check valves

• CVS SERIES

INTRODUCTION

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
- 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

SPECIFICATIONS

- Operating temperatures : -40°C (-40°F) to 150°C (302°F)

APPLICATIONS

- MARINE
- OFFSHORE
- PHARMACEUTICAL
- POWER GENERATION

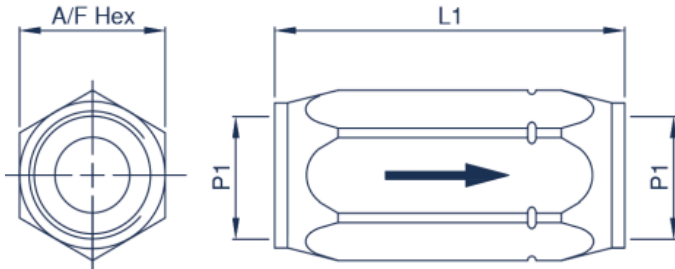
CVS PERFORMANCE CHARACTERISTICS

Body Size	CVS06	CVS10	CVS12	CVS19	CVS25	CVS32	CVS40	CVS50
	Pressure in bar - Flow in LPM Pressure in PSI - Flow in GPM							
Maximum working pressure	350 5075	350 5075	350 5075	300 4350	250 3625	250 3625	250 3625	200 2900
Burst pressure	1225 17763	1225 17763	1225 17763	1050 15225	875 12688	875 12688	875 12688	700 10150
Rated flow	12 3.2	23 6.1	45 12	100 26.4	189 50	250 66	379 100	757 200

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CRACKING PRESSURE OPTIONS



Value / Unit	*Cracking pressure code
0.35 Bar	0.35
4.5 Bar	4.50
8.3 Bar	8.30
7 PSI	007
58 PSI	058
116 PSI	116

When ordering these parts add the cracking pressure option code number to the part number detailed in the table below.

CVS SERIES VALVES

Body Size	Part Number *add cracking pressure code	A/F		P1 thread	L1	
		mm	inch		mm	inch
06 (1/4)	CVS06-04G-04G-	19.0	0.75	1/4 BSPP	58.0	2.28
	CVS06-04N-04N-	19.0	0.75	1/4 NPTF	58.0	2.28
	CVS06-04S-04S-	19.0	0.75	7/16-20 UNF	58.0	2.28
10 (3/8)	CVS10-06G-06G-	24.0	0.94	3/8 BSPP	62.2	2.45
	CVS10-06N-06N-	24.0	0.94	3/8 NPTF	62.2	2.45
	CVS10-06S-06S-	24.0	0.94	9/16-18 UNF	62.2	2.45
12 (1/2)	CVS12-08G-08G-	30.0	1.18	1/2 BSPP	79.2	3.12
	CVS12-08N-08N-	30.0	1.18	1/2 NPTF	79.2	3.12
	CVS12-08S-08S-	30.0	1.18	3/4-16 UNF	79.2	3.12
19 (3/4)	CVS19-12G-12G-	36.0	1.42	3/4 BSPP	83.1	3.27
	CVS19-12N-12N-	36.0	1.42	3/4 NPTF	83.1	3.27
	CVS19-12S-12S-	36.0	1.42	1 1/16-12 UN	83.1	3.27
25 (1)	CVS25-16G-16G-	45.0	1.77	1 BSPP	106.2	4.18
	CVS25-16N-16N-	45.0	1.77	1 NPTF	106.2	4.18
	CVS25-16S-16S-	45.0	1.77	1 5/16-12 UN	106.2	4.18
32 (1 1/4)	CVS32-20G-20G-	55.0	2.17	1 1/4 BSPP	127.0	5.00
	CVS32-20N-20N-	55.0	2.17	1 1/4 NPTF	127.0	5.00
	CVS32-20S-20S-	55.0	2.17	1 5/8-12 UN	127.0	5.00
40 (1 1/2)	CVS40-24G-24G-	65.0	2.56	1 1/2 BSPP	138.0	5.43
	CVS40-24N-24N-	65.0	2.56	1 1/2 NPTF	138.0	5.43
	CVS40-24S-24S-	65.0	2.56	1 7/8-12 UN	138.0	5.43
50 (2)	CVS50-32G-32G-	75.0	2.95	2 BSPP	160.0	6.30
	CVS50-32N-32N-	75.0	2.95	2 NPTF	160.0	6.30
	CVS50-32S-32S-	75.0	2.95	2 1/2-12 UN	160.0	6.30

*For all other configurations or thread types please contact the sales office.