

CVS SERIES

STAINLESS STEEL

CHECK VALVES

INTRODUCTION

CVS Series stainless steel check valves are designed for in-line use and are suitable for any type of hydraulic system using liquids that are not highly viscous. They are suitable for use with mineral oil, acids, gas and demineralized water.

FEATURES

- ★ AISI 316 stainless steel construction, viton seals.
- ★ Good pressure / flow characteristics, see graphs.
- ★ Cracking points 0.35 bar and 4.5 bar are standard, other values on request.

APPLICATIONS

Ideal for industries such as marine, food, gas, chemical, and pharmaceutical.

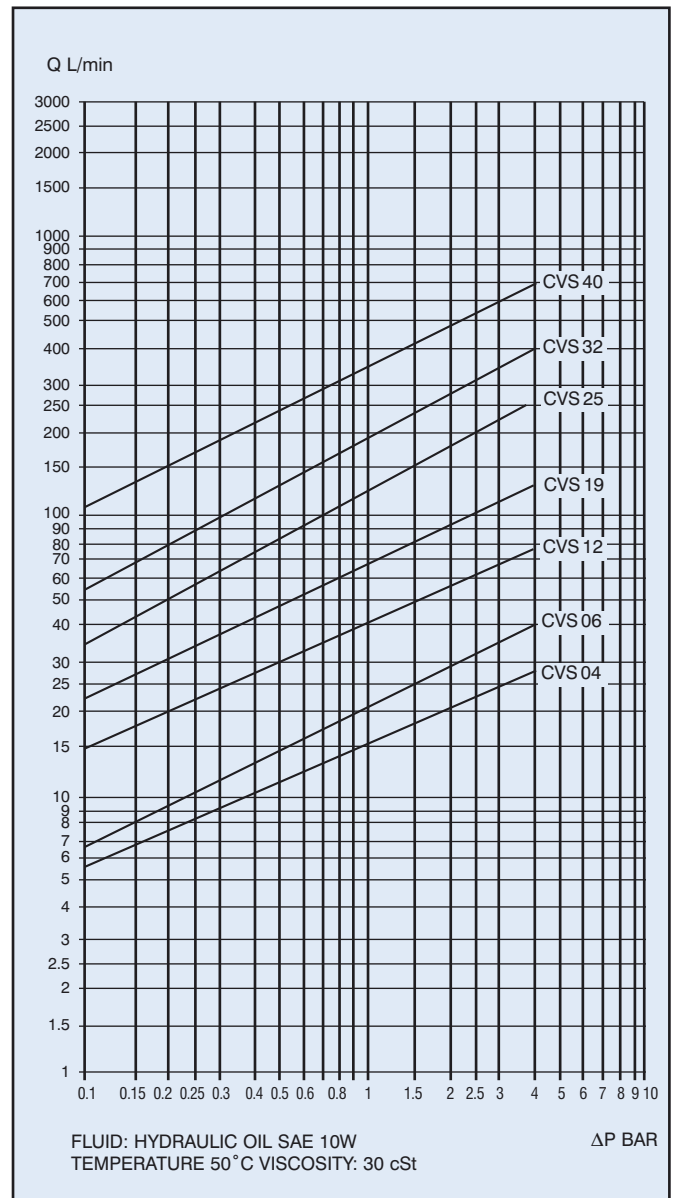
- (1) One-way valve for unidirectional flow, in-line mounting.
- (2) A pressure sequencing valve with appropriate cracking points.

ORDER CODES

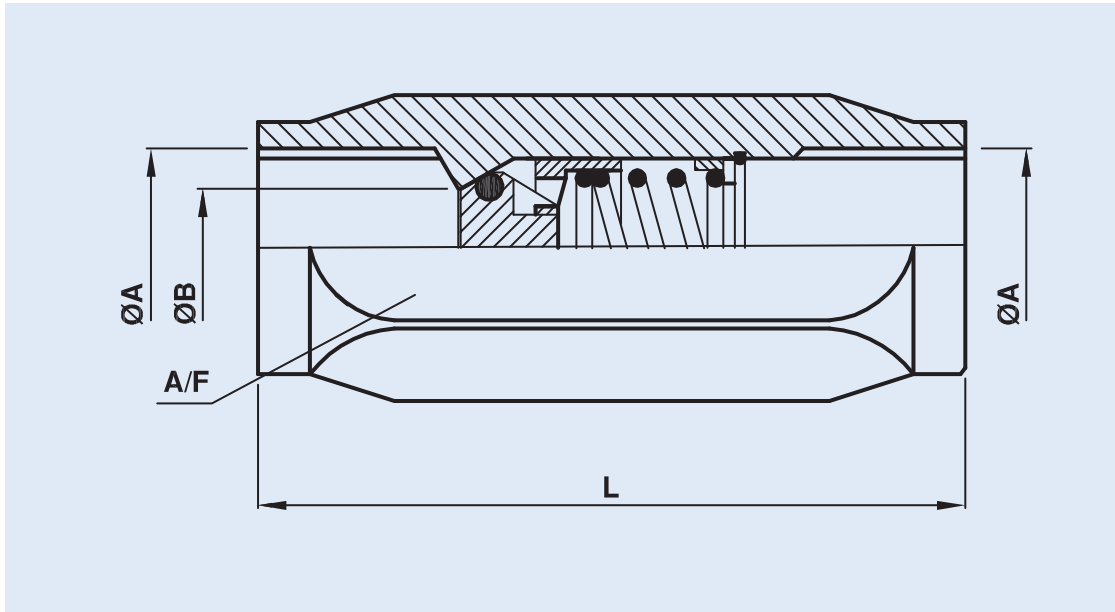
CVS 12 - 08 G - 08 G 0.35	
CVS stainless steel check valve	
Body Size	Thread size (dash system)
04 = 1/4"	04 = 1/4"
06 = 3/8"	06 = 3/8"
12 = 1/2"	08 = 1/2"
19 = 3/4"	12 = 3/4"
25 = 1"	16 = 1"
32 = 1 1/4"	20 = 1 1/4"
40 = 1 1/2"	24 = 1 1/2"
Cracking pressure	
0.35 bar	
4.5 bar	
Outlet thread form	
G = BSP P	
N = NPT	
Outlet thread size (dash system)	
04 = 1/4"	
06 = 3/8"	
08 = 1/2"	
12 = 3/4"	
16 = 1"	
20 = 1 1/4"	
24 = 1 1/2"	
Inlet thread size (dash system)	
04 = 1/4" 16 = 1"	
06 = 3/8" 20 = 1 1/4"	
08 = 1/2" 24 = 1 1/2"	
12 = 3/4"	
Inlet thread form	
G = BSP P	
N = NPT	



PRESSURE DROP CHARACTERISTICS



CVS SERIES, CHECK VALVES



DIMENSIONS AND PRESSURE RATINGS

Body Size	Code	Maximum working pressure (bar)	$\varnothing A^*$	$\varnothing B$	AF	L	Weight kg
04	CVS04	350	1/4"	7	19	50	0.09
06	CVS06	350	3/8"	10	24	60	0.16
12	CVS12	350	1/2"	11	27	65	0.28
19	CVS19	300	3/4"	17	34	75	0.35
25	CVS25	250	1"	21	41	93	0.58
32	CVS32	250	1 1/4"	29	50	110	0.96
40	CVS40	250	1 1/2"	34	55	112	1.02

* Dimensions for BSP and NPT threads only. Dimensions in mm

All dimensions shown are for guidance only, if critical contact Bosch Hydraulic Connections Ltd.