

Check Valves

CV11-12

Check Valve, Standard Direction

350 bar [5000 psi] • 114 l/min [30 US gpm]

DESCRIPTION AND OPERATION

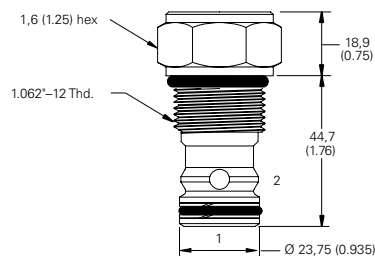
This is a check valve where free flow takes place from port 1 to 2 and is blocked from port 2 to 1.

SCHEMATIC



DIMENSIONS

mm [in]

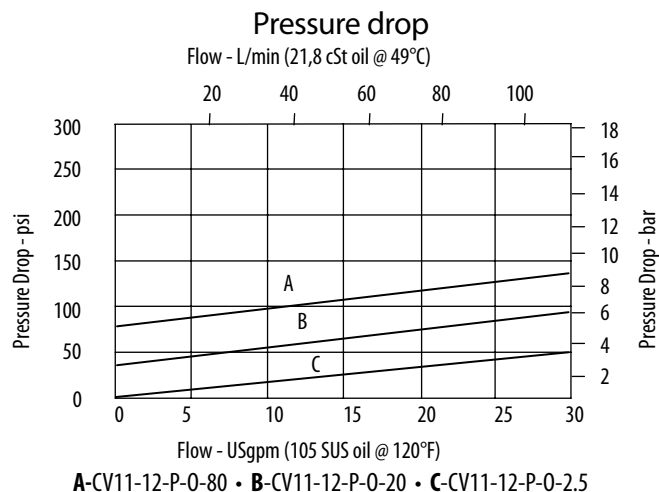


Installation torque
A-81-95 Nm [60-70 ft. lbs]
S-102-115 Nm [75-85 ft. lbs]

PERFORMANCE DATA

Rated pressure	350 bar [5000 psi]
Rated flow	114 l/min [30 US gpm]
Leakage	5 drops/min. maximum @ 350 bar [5000 psi]
Weight	0,24 kg [0.54 lbs.]
Cavity	C-12-2 or C-12-2U

PERFORMANCE CURVES



MODEL CODE

CV11 - 12 - V - P - A - 0 - U - 2.5

Seal Option

Code	Seal Kit
Omit-Buna-N	02-165889
V-Viton	02-165888

Style

P-Poppet type

Housing Material

Omit-No Housing
A-Aluminum
S-Steel

Housing

Code	Ports	Housing Model Code			
		C-12-2U Aluminum standard duty	C-12-2 Aluminum heavy duty	C-12-2U Steel heavy duty	C-12-2 Steel heavy duty
0	No Housing				
10T	#10 SAE	02-160641	02-160640	02-169817	02-169744
12T	#12 SAE	02-160645	02-160644	02-168790	02-169782
4G	1/2" BSP	02-161116	02-161118	02-172512	02-172062
6G	3/4" BSP	02-161115	02-161117	02-162922	02-169665

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].

* Additional housings available

Crack Pressure

Code	Bar	Psi
2.5	0.17	[2.5]
5.0	0.35	[5]
10	0.69	[10]
20	1.38	[20]
40	2.75	[40]
80	5.50	[80]
160	11.0	[160]

Cavity

Omit-Cavity without undercut
U-Cavity with undercut