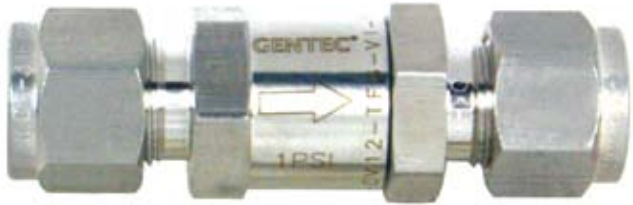


Check Valves

■ CV11, CV12, CV13, CV14, CV15, CV16 SERIES CHECK VALVES



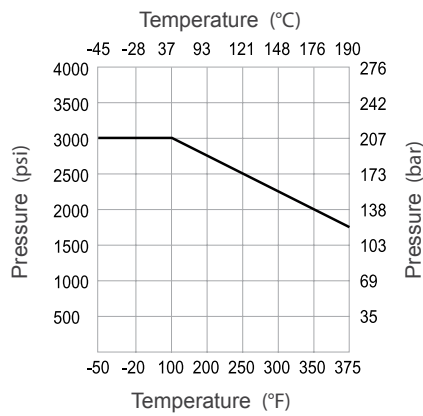
■ Features

- Maximum operating pressure: 3000 psi (207 bar)
- Connections: NPT and GENLOK
(please refer to the specification tables for available dimensions)

■ Seal Materials

- Fluororubber O-rings are standard,
other materials are listed in table below:

Seal Materials	Reference Number	Temperature Range °F (°C)
Fluororubber	-R	-10~370 (-23 ~ 190)
Buna-N	-B	-10~250 (-23 ~ 121)
EPDM	-Y	-50~300 (-45 ~ 148)
Neoprene	-N	-40~250 (-40 ~ 121)
Kalrez®	-Q	-10~375 (-23 ~ 190)



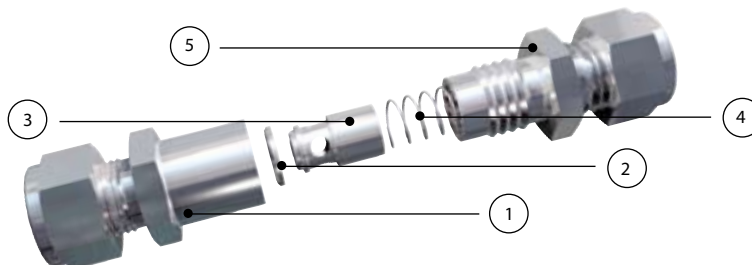
■ Cracking and Reseating Pressures

Nominal Cracking pressure psi (bar)	Cracking Pressure Ranges psi (bar)	Minimum Reseating Pressure psi (bar)
1 (0.07)	2 (0.14)	6 (0.41) back pressure
3 (0.20)	2.5~4 (0.17~0.28)	6 (0.41) back pressure
10 (0.69)	8~13 (0.55~0.90)	7 (0.48)
25 (1.72)	23~28 (1.59~1.93)	20 (1.38)

*Cracking and Reseating Pressure at 70°F (20°C), Air

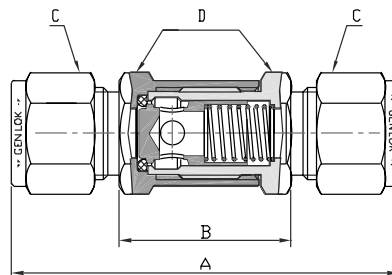
Components	Material
1 Inlet body	316 SS
2 O-ring	Fluororubber
3 Poppet	316 SS
4 Spring	316 SS
5 Outlet body	316 SS

■ Materials of Construction



CV11, CV12, CV13, CV14, CV15, CV16 SERIES CHECK VALVES

Dimensions



Metric

Model	Orifice (mm)	CV	Connection Type		Dimension (mm)			
			Inlet	Outlet	A	B	C (Hex Flat)	D (Hex Flat)
SS-CV11-TF6M	4.8	0.47	6 mm GENLOK		60.5	25.0	14.0	15.9
SS-CV12-TF10M	7.1	1.48	10 mm GENLOK		64.0	24.9	19.0	17.5
SS-CV13-TF12M	9.9	1.70	12 mm GENLOK		77.0	32.8	22.0	23.8

English Units

Model	Orifice (in.)	CV	Connection Type		Dimension (in.)			
			Inlet	Outlet	A	B	C (Hex Flat)	D (Hex Flat)
SS-CV11-TF2	0.19	0.16	1/8" GENLOK		2.19	0.98	7/16	5/8
SS-CV11-NT2			1/8" Male NPT		1.75		-	
SS-CV11-FNT2		1/8" Female NPT		1.84	-			
SS-CV11-TF4		1/4" GENLOK		2.36	0.98	9/16		
SS-CV11-NT4-TF4		1/4" Male NPT	1/4" GENLOK	2.22				
SS-CV11-NT4	1/4" Male NPT		2.10	-				
SS-CV12-FNT4	0.28	1.48	1/4" Female NPT		2.24	-	-	3/4
SS-CV12-TF6			3/8" GENLOK		2.58	-	11/16	
SS-CV12-NT6			3/8" Male NPT		2.19	1.07	-	
SS-CV13-FNT6	0.39	1.70	3/8" Female NPT		2.51	-	-	7/8
SS-CV13-TF8			1/2" GENLOK		3.16	-	7/8	
SS-CV13-NT8			1/2" Male NPT		2.93	1.43	-	
SS-CV14-FNT8	0.53	2.60	1/2" Female NPT		3.33	-	-	1-1/8
SS-CV14-TF10			5/8" GENLOK		3.61	1.89	1	
SS-CV15-TF12	0.63	5.20	3/4" GENLOK		4.36	2.64	1-1/8	1-1/4
SS-CV15-NT12			3/4" Male NPT		4.15		-	
SS-CV15-FNT12			3/4" Female NPT		4.06		-	
SS-CV16-TF16	0.71	9.00	1" GENLOK		4.77	2.69	1-1/2	1-3/8
SS-CV16-NT16			1" Male NPT		4.58		-	
SS-CV16-FNT16			1" Female NPT		4.39		-	

Ordering Information

SS	-	CV11	-	NT4	-	TF4	-	R	-	1
Body Material: SS: 316 SS		Series: CV11, CV12, CV13, CV14, CV15, CV16		Inlet Connection*: NT4: 1/4" Male NPT		Outlet Connection*: TF4: 1/4" GENLOK		Seal Material: R: Fluororubber B: Buna-N Y: Ethylene Prorylene N: Neoprene Q: Kalrez®		Cracking Pressure: 1: 1 psi 3: 3 psi 10: 10 psi 25: 25 psi

* Specifications listed in table above change to. Please refer to the chart above for the available specifications for the desired connection type.