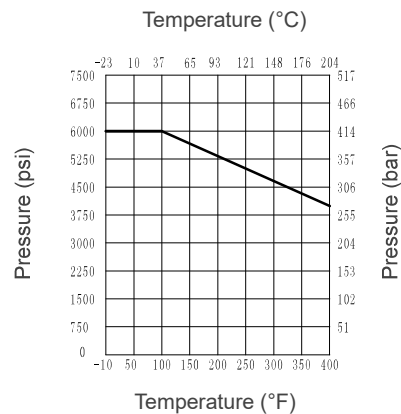


CV42, CV43 SERIES

Check Valves

GENTEC® Valves



Product Features

- Maximum operating pressure: 6000 psi (414 bar)
(For pressure limitations under high temperature conditions, refer to pressure-temperature table)
- 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 Rate °F(°C)
Fluororubber	-R	-10~370 (-23 ~ 190)
EPDM	-Y	-50~300 (-45 ~ 148)
Neoprene	-N	-40~250 (-40 ~ 121)

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

Materials of Construction

Components	Material
1 Inlet body	316 SS
2 Poppet set	Viton bonded 316 SS
3 Spring	316 SS
4 O-ring	Fluororubber
4 Backup ring	PTFE
6 Outlet body	316 SS

