Features

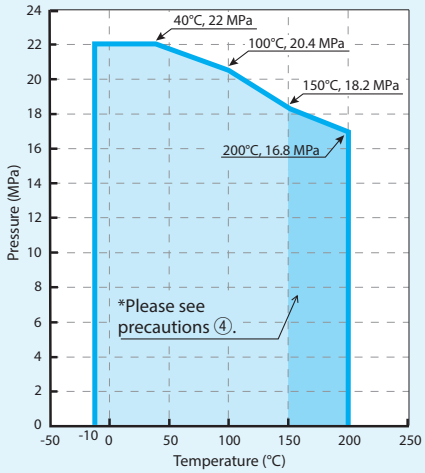
1. This line-type model is compact and lightweight.
2. The fluororubber seat packing provides good sealability, allowing seals with a back pressure of 0.1 MPa.
3. The unique seal shape offers excellent cracking characteristics.
4. Some models have received ministerial certification for use with high-pressure gases.

Technical Data

Working Pressure (MPa)	Temperature (°C)
22	-10 to +200

※Please see the temperature and pressure rating for details.

Temperature and Pressure Rating



Pressure

Cracking Pressure (kPa)	Back Seal Pressure (MPa)
6.86	At least 0.1

※Please see precautions (2) and (3) concerning cracking pressure.

Operating Precautions

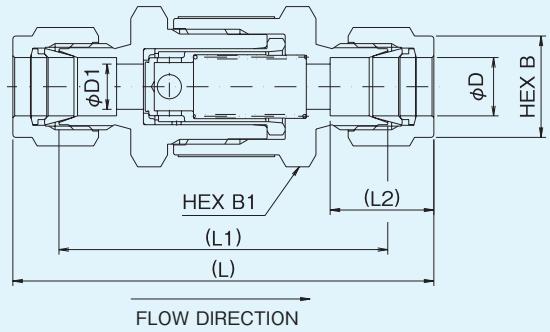
①The seat seal requires back pressure of at least 0.1 MPa.
②The cracking pressure indicates the pressure at a constant rate of flow. The valve will start to open at a lower pressure than the indicated value.
③The cracking pressure may be slightly higher than the indicated cracking pressure when the valve is used for the first time and when left closed for extended periods of time.
④Please contact us before ordering if you plan to use the valve at a temperature of 150°C or higher.
⑤Since this valve uses a fluororubber seat packing, it cannot be used with fluids that would corrode it (for example, ammonia, fluorocarbons, acetic acid, nitrous oxide, ethylene oxide, or acetone). If you are unsure whether the sealant is suitable for use with a given fluid, please contact us before ordering.
⑥To prevent galling of parts that come into contact with gas in the valve, it uses fluorine-based grease suitable for oxygen and oil-free parts. If you require a grease-less model, please contact us.
⑦ Ordinarily, check valves are designed for flow-direction control only. Please do not use them as switchable check valves or relief valves.

Materials

Description		Materials
Body	※	SUS316
Disk	※	SUS316
Seat packing	※	Fluororubber
Spring	※	SUS316WPA

※: Wetted part
Note: May use SUS316, 304, ASTM-spec material (SUS316 equivalent)

VCR®-Lok Type



●Dimensions

UNIT (mm)

Nominal Diameter D	Orifice Diameter D1	Face to Face Dimension		Pipe Connection Part			B1	Cv Value (Max.)	Weight (approximate) g	Ordering Numbers
		L	L1	L2	B					
					in	mm				
6.35	4	60.5	45.6	15.2	9/16	14.3	17	0.35	65	PUCL-922-6.35-0.07-V
9.52	7.5	71	56.3	16.8	11/16	17.5	23	1.1	125	PUCL-922-9.52-0.07-V
12.7	7.5	76.5	56.3	22.9	7/8	22.2	23	1.1	165	PUCL-922-12.7-0.07-V

Ordering Numbers

PUCL ① ② — 922 ③④ — 6.35 ⑤ — 0.07 ⑥ — V ⑦

① Body Material
Stainless Steel

② Valve Type
Check Valve

③ End Connections
9: VCR®-Lok Type

④ Working Pressure
22 MPa

⑤ Connection Sizes
6.35: VCR®-Lok 6.35
9.52: VCR®-Lok 9.52
12.7: VCR®-Lok 12.7

⑥ Cracking Pressure
0.07: 0.007 MPa

⑦ VCR®-Lok Type