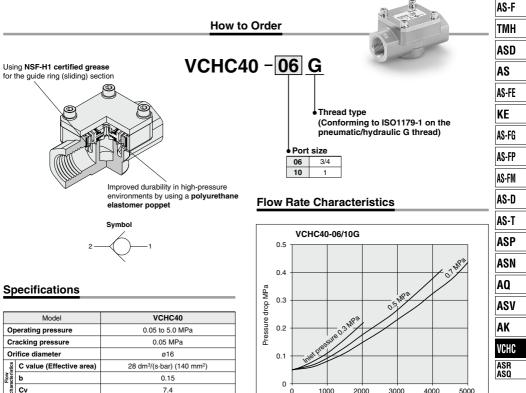
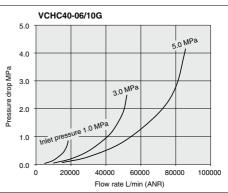
5.0 MPa Check Valve





Flow rate L/min (ANR)

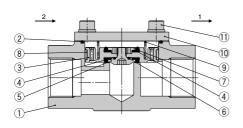
Model		VCHC40
Operating pressure		0.05 to 5.0 MPa
Cracking pressure		0.05 MPa
Orifice diameter		ø16
Flow	C value (Effective area)	28 dm ³ /(s·bar) (140 mm ²)
	b	0.15
chara	Cv	7.4
Fluid		Air
Fluid temperature		5 to 80°C
Ambient temperature		5 to 80°C
Body material		Brass
Seal material		Polyurethane elastomer
Port size		G3/4, 1 (Conforming to ISO1179-1 on the pneumatic/hydraulic G thread)
Mounting orientation		Unrestricted
Weight		1.02 kg

Note) The flow rate characteristics are representative values.

795 ®

VCHC40 Series

Construction

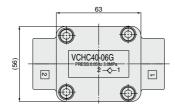


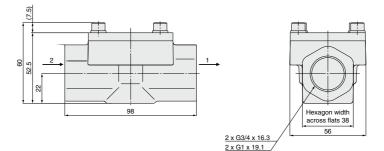
Component Parts

	•	
No.	Description	Material
1	Body	Brass
2	O-ring	NBR
3	Piston	Aluminum + Hard anodized
4	Poppet	Polyurethane elastomer
5	Set screw	Stainless steel
6	O-ring	NBR
7	Nut	Stainless steel
8	Guide ring	Resin
9	Spring	Stainless steel
10	Plate	Steel + Electroless nickel plated
11	Hexagon socket head cap screw (with SW)	Carbon steel

Dimensions

VCHC40







VCHC40 Series Specific Product Precautions

Be sure to read this before handling the products. Refer to back page 50 for Safety Instructions.

Selection

A Warning

1. Fluid

Corrosive gas

Do not use corrosive gas because it may cause corrosive stress cracks and other problems.

2. The minimum operating pressure is the pressure when the valve begins to open, and not the pressure when the valve is fully open.

Piping

1. Winding of sealant tape

Pipe tape is not necessary since this product uses a pneumatic and hydraulic purpose G thread which conforms to ISO 1179-1. When an R (taper) thread is used, leave 1 to 2 threads at the tip exposed before winding the piping thread around it 4 to 5 times.



Always tighten threads with the proper tightening torque.

When attaching fittings to valves, tighten with the proper tightening torque shown below.

Tightening Torque for Piping

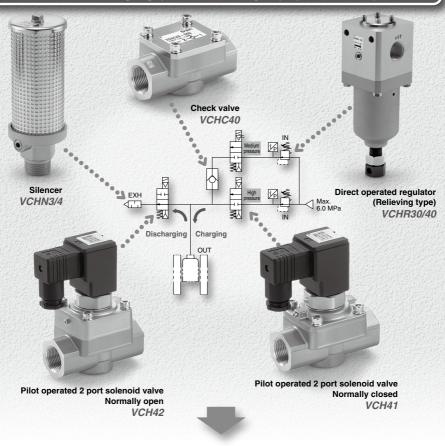
0 0 1	
Connection threads	Proper tightening torque N · m
G, Rc 3/4	28 to 30
G, Rc 1	36 to 38

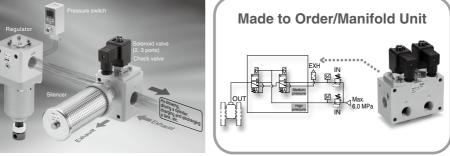
Operating Environment				
∆ Warning	AS-F			
 Do not use in an explosive atmosphere. In locations where there is contact with water, oil or spatter from soldering, etc., implement 				
			suitable protective measures.	AS
	AS-FE			
Maintenance	KE			
Caution . Storage In the case of long term storage after use with water, etc., first thoroughly remove all moisture to prevent rust and deterioration				
			of rubber materials.	E

5.0 MPa

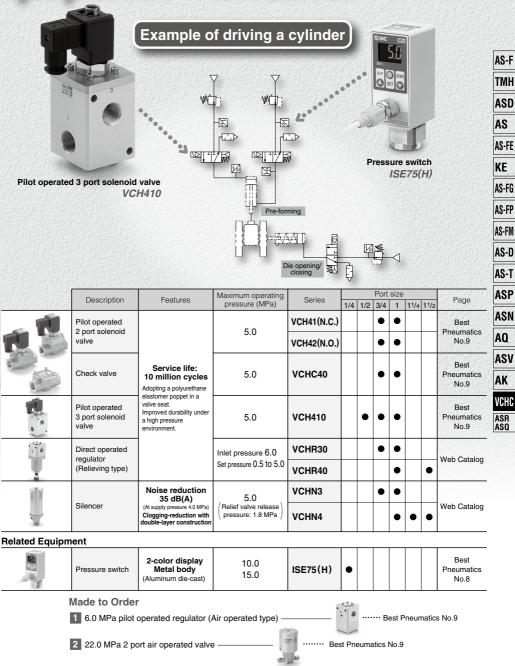
Pneumatic

Applications included air-blowing, charging fluid into a vessel, or discharging (Blow-molding equipment, etc.)





Equipment Variation



SMC