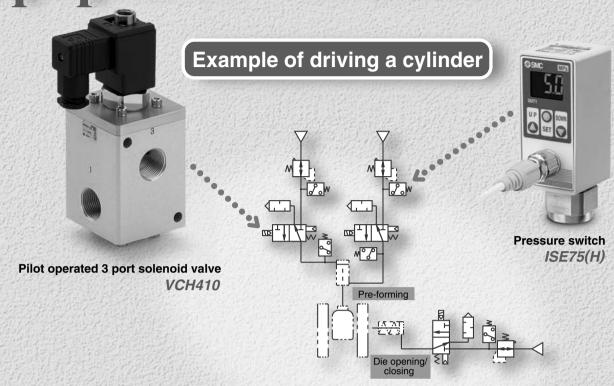
Equipment Variation



	Description	Cook	Maximum operating	Carias	Port size						D.	
	Description	Features	pressure (MPa)	Series	1/4	1/2	3/4	1	1 ¹ / ₄	11/2	Page	21%
E.	Pilot operated 2 port solenoid valve		5.0	VCH41(N.C.)			•	•			Best Pneumatics No.⑦	
				VCH42(N.O.)			•	•				
	Check valve	Service life: 10 million cycles Adopting a polyurethane	5.0	VCHC40			•	•			Best Pneumatics No.⑦	
	Pilot operated 3 port solenoid valve	elastomer poppet in a valve seat. Improved durability under a high pressure environment.	5.0	VCH410		•	•	•			Best Pneumatics No.7	
	Direct operated regulator		Inlet pressure 6.0 Set pressure 0.5 to 5.0	VCHR30			•	•			Best Pneumatics	
Y	(Relieving type)			VCHR40				•		•	No.5	
		Noise reduction	5.0	VCHN3			•	•			-1-3111	
	Silencer	(At supply pressure 4.0 MPa, back pressure 2.0 MPa) Clogging-reduction with double-layer construction	Relief valve release pressure: 1.8 MPa	VCHN4						P.608	AN	
								•		•		VCHN
Related Equipn	nent											AMC
1350		2-color display	400									AIVIC
325	Pressure switch	Metal body	10.0 15.0	ISE75(H)							P.722	AMV

Made to Order

1 6.0 MPa pilot operated regulator (Air operated type)

(Aluminum die-cast)

····· Best Pneumatics No. 5

2 22.0 MPa 2 port air operated valve



15.0

····· Best Pneumatics No. 7

AMP



Series VCHN Specific Product Precautions

Be sure to read before handling.

Design

⚠ Warning

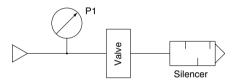
 The exhaust port can clog due to a clogged or frozen silencer.

Consider design safety to avoid malfunctions of the entire system. Also, under conditions conducive to freezing, use a freeze-reduction model. (VCHNF series)

1. A silencer reduces compressed air exhaust noise from the pneumatic equipment.

Noise other than that generated by the exhaust assembly (noise generated inside piping, due to equipment vibration, solenoid valve switching, etc.) cannot be reduced. As for noise generated by sources other than the exhaust, locate the cause and take measures.

2. Silencer inlet side pressure shows the solenoid valve supply pressure (P1). (See below.)



3. Noise reduction may vary, depending on the pneumatic circuit or pressure, etc. exhausted from solenoid valves.

Selection

⚠ Caution

1. Select a silencer with a larger effective area (including the synthetic effective area) than the solenoid valve.

Mounting

⚠ Caution

 Tighten the silencer, using an appropriate wrench on the width across flats, within the range of the recommended tightening torque as shown below.

Do not use a pipe wrench. Otherwise, the silencer will be damaged.

Recommended	(Unit: N•m)			
Connecting thread	3/4	1	1•1/4	1•1/2
Torque	28 to 30	36 to 38	40 to 42	48 to 50

- 2. Do not apply a lateral load on the main body during or after mounting.
- 3. When the silencer has loosened due to vibrations from the mounted equipment, mount the silencer after applying an anti-loosening agent to the thread.

Maintenance

⚠ Caution

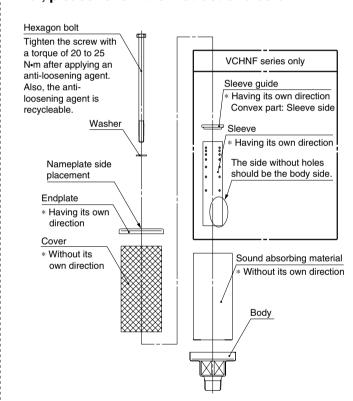
1. When exhaust speed begins to slow from clogging and system functionality begins to degrade, replace with a new silencer or sound-absorbant material.

Also, be sure to confirm the actuator's operation status once per day.

How to Replace the Sound Absorbing Material

⚠ Caution

1. When replacing the sound absorbing material, please follow the instructions below.



Replacement Parts

Sound Absorbing Material Part No.

Part no.	Description	Applicable model			
VCHN3-EL Sound absorbing materia		For VCHN(F)3			
VCHN4-EL	Sound absorbing material	For VCHN(F)4			

