

Safety notice/F.L./caution for application

CHELIC PNEUMATIC

Please read the safety notice carefully before using and pay attention to the safety caution of this product

- Pay attention to the individual caution for various model series(read the cautions and safety notice in P9~10 for common cautions)

Caution for design, selection

Warning

- PC transparent cup of the filter, oil applicator and the see through oil dripping device of oil applicator are made of PC plastic material, no synthetic oil, organic solvent, chemical, cutting oil, volatile gas and above mentioned conditions is allowed, in order to avoid destruction of material and affect safety of application.
- If the selected plastic panel of the pressure meter for regulation valve is not suitable for spraying with organic solvent, please avoid possible panel damage of the pressure meter.

Caution

- Avoid the place with impact or rigorous vibration when designing the device; avoid to be mounted outdoor and the environment presence with chemical and corrosive air.


Caution for assembling

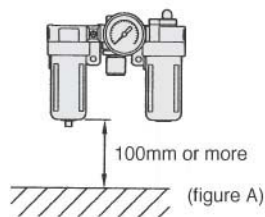
Warning

- Pay attention to the direction of the air source while installing, never used in reversed air direction.
- Use spanner to tighten the pressure mater while installing, never tighten with your hand holding the casing of the pressure meter to avoid damage of the pressure meter.
- Follow the torque in table below while laying the pipe (tighten the connector), never exceed the range of application to avoid damage of product.

Torque chart for piping

Size	Appropriate turning torque
M5	1.5~2 (15~20)
Rc(PT)1/8	7~9 (70~90)
Rc(PT)1/4	12~14 (120~140)
Rc(PT)3/8	22~24 (220~240)
Rc(PT)1/2	28~30 (280~300)
Rc(PT)3/4	28~30 (280~300)
Rc(PT)1	36~38 (360~380)

 Bottom of cup downward



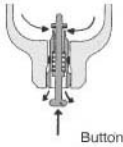
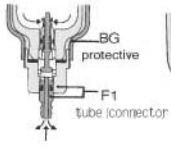

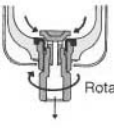
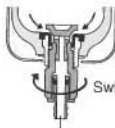

- filter and oil applicator should be mounted with correct direction (Bottom of cup downward as illustrated in figure A) to ensure the function of the product while using.
- Prevent debris and leak proof tape residue from entering the pipe while laying, if the connector is locked by using anoxic glue, avoid excessive amount and fluid glue from flowing in the body, which may cause jammed and poor movement.

Caution for application

⚠ Warning

- Don't remove the PC cup while running to avoid hazard; the press key of the PC cup should be locked in position and then air supply is allowed.
- While top up oil to oil applicator while running, shut off the air and then top up; air supply is allowed only after oiling and lock the oil plug.
- Caution for strainer of filter:
 - (1) Manual draining device for B, C series, drain in counterclockwise direction (turn left), clockwise direction to lock(turn right. Don't use spanner and pliers to hold to avoid damage.
 - (2) The pressure differential type strainer of B, C series, use only for pressure above 0.15mpa (1.5kgf/cm2).
 - (3) Automatic float ball strainer of B, C series, use only for pressure above 0.1mpa (1.0kgf/cm2).

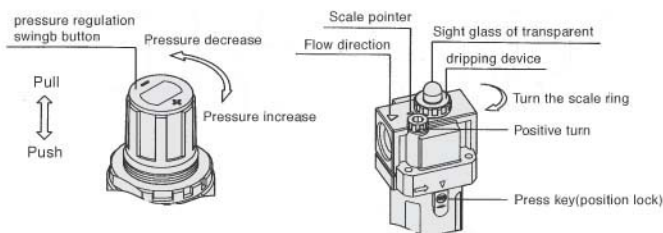
■ Operation and function of the drain cock

A series strainer valve			B,C series strainer valve		
—H	BG—F1	—A	—H	—S	—A
Manual drain Standard	Manual drain (with protection lid, tube connector)	Automatic drain Option	Manual drain Standard	Semi-automatic drain (with protection lid, tube connector)	Automatic drain Option
Drain while pushing the button and close automatically when release.	With addition protective lid device and extra tube connector.	Employs pressure differential for automatic drain, drain automatically when the air depletion and make up produce differential.	Drain when the swing cork(turn left) and close while turn right.	The valve open to drain automatically when pressure is lower than 0.5kg/cm2; the valve close completely when pressure is more than 1 kg/cm2(allow manual drain as well)	Use float switch valve, drain automatically when water level over the float, close automatically after completely drain.
					
Push	Push		Turn left to drain	Rotate	Swing

- (4) Care for the cleanliness of air and PC cup, avoid clogged by debris and dirt cause poor function of the strainer and leakage.
- Hand turn the oil regulate oil ring of the regulator and oil applicator while operating, use no spanner, pliers tool to clamp, to prevent damage and affect safe operation.
 - Lubricant of the oil applicator use IOS-VG32 lubricant only (and equivalent).
 - *Oil other specification is tended to cause poor operation of the oil applicator and resulting in structure damage.
 - Prevent backflow of residue at the end of the pipeline while stop operation, prevent the oil, water contain air in bleed pipe to flow back the device, cause blockage and damage.

⚠ Warning

- The setting range of the secondary pressure of the pressure regulation valve use as 85% of primary pressure or below to achieve better pressure setting and regulation.
- The swing button of the pressure regulator must be pulled before turning, increase pressure while turning in clockwise direction and vise versa to decrease. Press in and secure the swing button after operation. After turning to max value(either positive or reverse)(with no pressure variation anymore), don't turn by force or use tool to avoid damage.



- Align the scale of the transparent dripping device of the oil applicator to the pointer(protrusion) to regulate the oil fed amount, the feeding swing button allow one direction turning, operate in clockwise direction(positive), no counterclockwise direction(reverse) turning is allowed. Incorrect turning direction will damage the structure. "0" set point is minimum(oil stop), "9" is maximum(max oil); the max and min oil amount value shall match the air use in adjustment. Indirect flow and direct flow make significant difference in oil amount.
- The density of the element of filter is 5_m~20_m, the pipeline should maintain dry air, prevent excessive debris cause blockage and insufficient flow.

Caution for service and maintenance

⚠ Danger

- Confirm the air line and power in turned off before servicing, prevent injury and damage while disassembly for maintenance.

⚠ Warning

- The removal and installation of the element of the filter and oil applicator plug use hexagonal spanner; avoid to use toll in other maintenance, disassemble the internal part in unsuitable manner may cause poor performance of the product and affect safe operation.
- Replace the element of the filter is clogged or poor performance, avoid blockage and insufficient flow.
- The PC cup of the filter and oil applicator suitable to wipe by cotton paper or wash with lure warm water and neutral household detergent, avoid to use chemical which cause damage.
- After service and maintenance, check for all parts are tighten and position properly, and confirm the matching are save and no problem, and then start air supply.