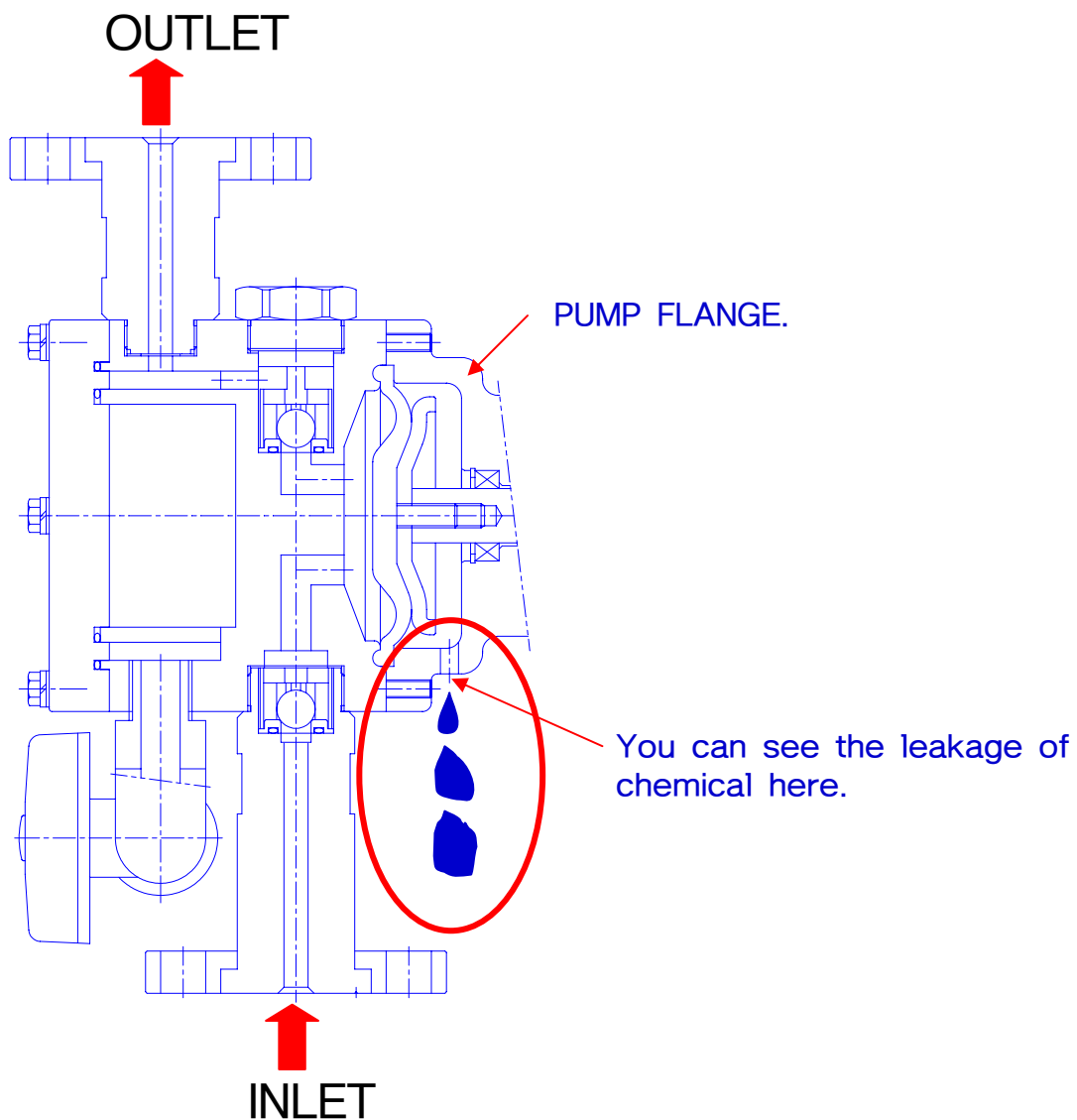


## How to replace the diaphragm

### ■ In case of diaphragm damaged.

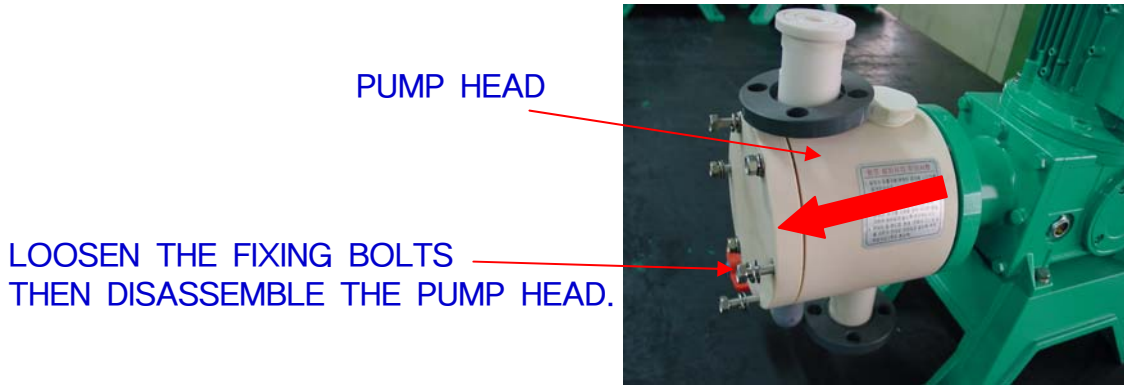
☞ In case of diaphragm damaged, you can see the leakage of chemical through the breathing hole of pump flange's lower part. You can be aware of it damaged or not. Refer to it when replacing.

### ■ The way of checking diaphragm damaged.



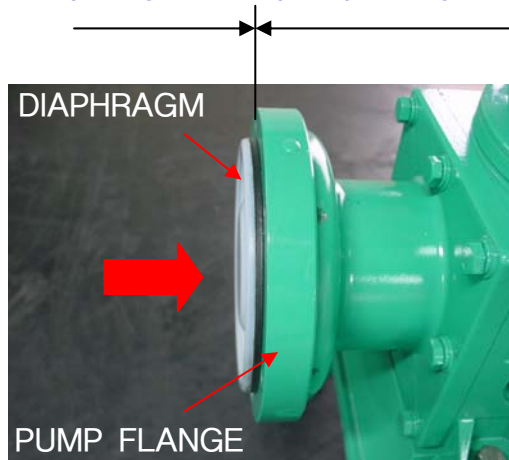
## ■ The way of replacing diaphragm.

- 1) Lock up the valves of inlet and outlet.
- 2) Remove the pressure in pump, inlet and outlet.
- 3) Loosen the flanges of inlet and outlet then take apart the pump from piping.
- 4) Disassemble the pump head.

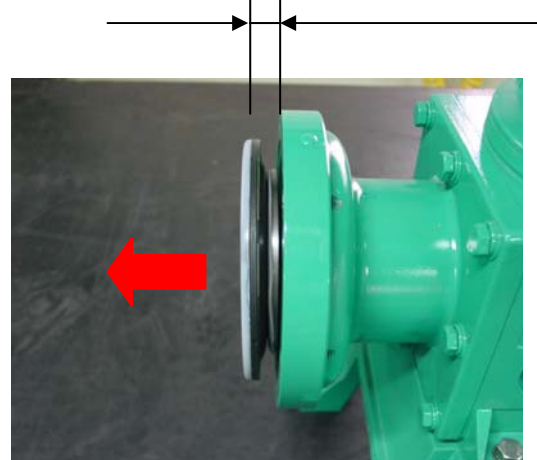


※ As you see the photo below, you can see the diaphragm. It could be stayed at the same spot of back or forth movement with the motor being stopped.

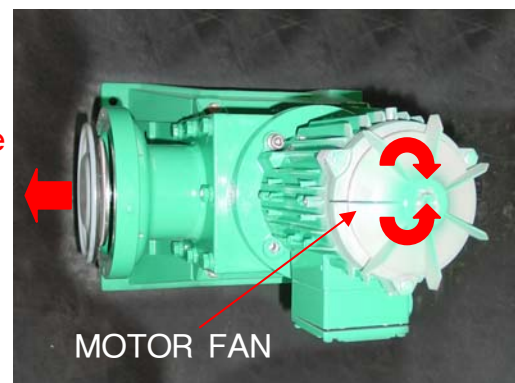
There is no opening between diaphragm and pump flange.



There is opening between them



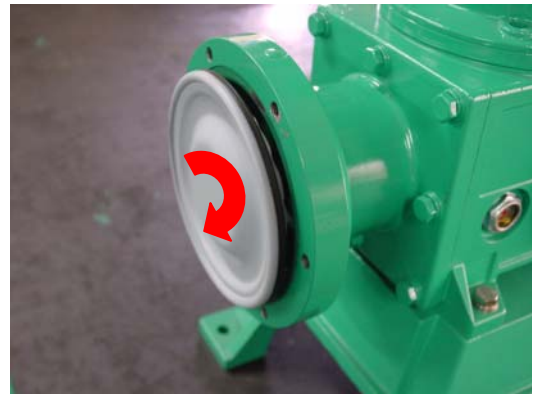
※ If there is no opening, take apart fan cover, and turn the fan clockwise or counterclockwise then diaphragm moves forward.



5) Loosen the diaphragm with counterclockwise.



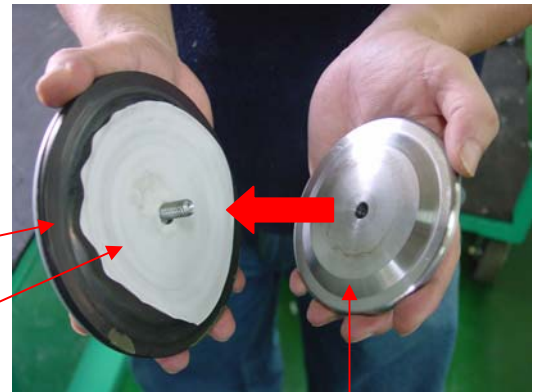
6) Replace the old one with a new one, tighten it hard with clockwise.



※ The order of assembly diaphragm → teflon sheet → push plate.

DIAPHRAGM

TEFLON SHEET



PUSH PLATE

※ The projected surface should be faced with diaphragm.

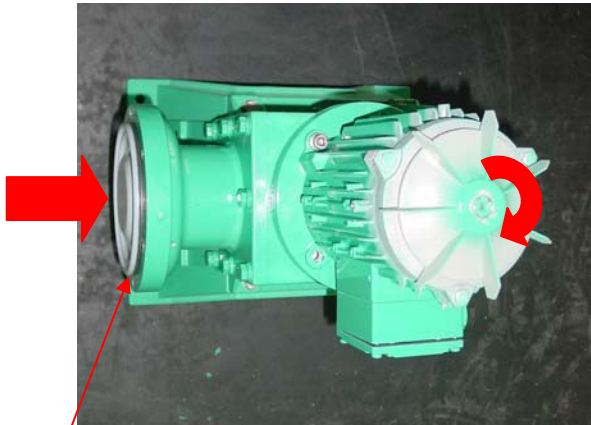
DIAL FIXING BOLT

DIAL

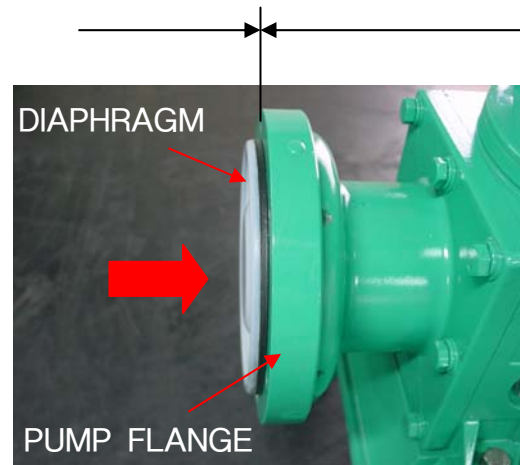


7) Loosen the dial fixing bolt.  
Loosen the dial to the point of MAX.

8) Turn the motor fan one way.  
It has to be stuck between  
pump flange and diaphragm.



NO OPENING HERE

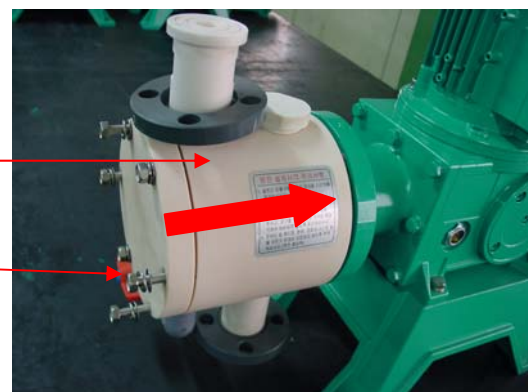


NO OPENING BETWEEN  
PUMP FLANGE AND DIAPHRAGM.

9) Reassemble the pump head.

PUMP HEAD

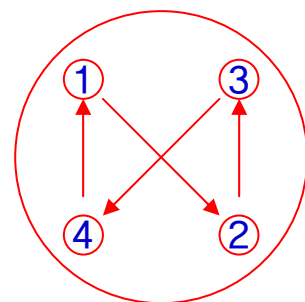
BOLT UP



10) Assemble the fan cover.



Tighten 2 of screws.



※ The order of bolting.  
Bolt up equally with  
same torque on them.