
SAFETY WARNING

PS, PS-F, PW, PW-F, PW-C SERIES



SAFETY WARNING

1. USER GUIDE AND INCORRECT APPLICATIONS

1. The pump is only to be used for the purpose and duty conditions originally specification by the purchaser (hereby called user). If the user wishes to change from agreed duty or specification, to another kind of chemical, user is required to inform the new parameter of specification with March May.
2. March May will only consider the pump safe for purpose and duty conditions originally specified by the user. March May will not accept responsibility for pump or part failure or personal injury, compensation arising from mis-application.
3. The patients with an installed pace maker should not handle magnetic driven pump to avoid any influence of permanent magnet.
4. The user shall pay attention to the following goods to protect them from influence of magnetisation.
 - » List watch
 - » Computer and their accessories.
 - » Cassette tape, discs.
 - » Tooling made of steel family.
 - » Credit card, memory card.
5. User shall flush suction pipe and discharge pipe sufficiently to remove pipe tip, sand, any abnormal article before install pump. Otherwise those tip or/and sand will give serious damage to the pump in short time and cause leakage from skin broken of pump casing.

2. OPEN PACKAGING AND TRANSPORTATION

1. The pump is dispatched in carton boxes.
2. User to ensure that pump arrives at user's site undamaged.
3. User should make sure all contents are as requested
4. User is required to inform March May if any contents are not as expected
5. User shall use gloves when open packing.
6. User shall adhere to local manual handling advice during transportation of goods.

3. INSTALLATION

1. The user must ensure that maintenance; inspection and installation work is carried out by authorized and qualified personnel, who are sufficiently trained in advance.
2. Pump should be hooked and installed by lifter in order to avoid any damage into pump inside.
3. Before pump installation, user makes sure that user pipe system and equipment can be withstood over 1.5 times of duty pressure.
4. Electric spark at terminal will cause personnel injury, fire or explosion. User should be sure to ground properly in accordance with relevant laws and regulation.
5. User should not spray water onto motor terminal.
6. Pump flange should be fastened with matching flange of pipe together with correct material of flange gasket.



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7. Check valve should be installed between discharge valve and pump if the discharge pipe is longer than 15m.
8. User should not be stomp onto pump their foot.
9. Pump shall be covered by totally enclose housing to prevent leaked chemical splash to the operator.
10. Pump shall be installed at inside of guard fence which prevent the flow out of leaked chemical.
11. After wiring of motor, also secure earth wiring between motor terminal and earth.
12. User shall install an electric leakage breaker.
13. User shall install an electric power breaker and thermal protector into electric control panel.
14. User shall install heat insulator to protect pump housing from freezing.

4. OPERATION

1. User should confirm the no leakage from pipe system, pump, another equipment by static positive air pressure or water.
2. User should confirm direction of rotation as the followings. From pump side: C.C.W., From motor side: C.W.
3. User never use liquid which is not complies with agreement in advance.
4. The use of incorrect material of pump inside causes highly damage to pump, personal injury, property damage.
5. User bears responsibility for pollution or secondary disaster arising failure to follow pump-washing procedures properly.
6. In the event of any one of the following conditions occurring, pump and motor should be shut down and cause investigated.
 - » Serious vibration.
 - » Sound level is increased or unstable.
 - » Chemical leakage is found from base plate.
 - » Unstable pressure in suction line and discharge line.
 - » Discharge pressure is 0 Bar even motor is rotated.
 - » Excessive power consumption.
 - » Loss of flow or zero flow.
 - » Water hammer is found.
7. User should fully open discharge value or suction value when pump is started
8. User ensures specified duty such as head and discharge flow.
9. Pump discharge pressure should not exceed agreed specification.
10. User shall pay attention of motor housing temprature.

5. DISASSEMBLE AND RE-ASSEMBLE

1. User will use appropraite PPE while disassemble pump.
2. User will ensure that all work to pump is conducted in a suitable area.
3. User must shut off discharge valve completely then switch off electric power of motor.



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4. After User disconnect power code from motor terminal, those terminal of power codes will be covered by rubber socket plug or plastic socket plug independently.
5. Loose suction flange bolts first, then loose discharge flange bolts slightly to remove chemical from pump inside. Customer should wear all appropriate PPE
6. After remove flanges, flush pump with water or secure liquid.
7. To eliminate the risk of injury by chemical, user should disassemble pump in a well ventilated area.
8. When conducting maintenance to the pump, User should following instructions should in the pumps relevant instruction manual.
9. Ensure that all pumps/parts that are removed from service are disposed of correctly and in accordance with local laws.

