

PAN

WORLD

RELIABLE IS OUR TARGET

CE

PAN WORLD-JAPAN

MAGNETIC DRIVEN PUMP

SAFETY WARNING

APPLCABLE SERIES NAME: PS, PW, PW-F, PW-C, PW-XJ, PH

PM-V, PM-E, PM-V-F, PM-E-F

PS-K, PW-K, PWX-C, PWH, PWH-F

PWE, PWE-F

AH-P-EU-001

2022

SAFETY WARNING

1. USER GUIDE & INCORRECT APPLICATIONS

- 1) The pump should only be used the purpose and duty conditions originally specification by the purchaser (hereby called user).
If the user wishes to change from agreed duty or specification, the other kind of chemical, user is required to inform the new parameter of specification with PAN WORLD or our agent.
- 2) PAN WORLD will only consider the pump safe for purpose and duty conditions originally specified by the user.
PAN WORLD will not accept responsibility for pump or part failure or personal injury, compensation arising from misapplication.

2. OPEN PACKING AND TRANSPORTATION

- 1) The pump is dispatched into carton boxes.
User ensure that pump arrives at user's promise undamaged.
- 2) User should make sure whether user chosen pump is delivered.
User is required to ask the change of wrong pump to correct pump, if different pump is found.

3. INSATLLATION

- 1) The user must ensure that maintenance; inspection and installation word 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.
- 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.

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.
The use of incorrect material of pump inside causes highly damage to pump, personal injury, and property damage.
- 4) User bears responsibility for pollution or secondary disaster arising failure to follow pump-washing procedures properly.
- 5) 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.
- 6) User should fully open discharge valve or suction valve when pump is started.
Pump would be damaged highly under different duty operation or erratic operation.
- 7) User ensures specified duty such as head and discharge flow.
- 8) Pump discharge pressure should not exceed agreed specification.

5. DISASSEMBLE & RE-ASSEMBLE

- 1) User must shut off discharge valve completely then switch off electric power of motor.
- 2) Loose suction flange bolts first then loose discharge flange bolts slightly to remove chemical from pump inside.
Customer should use glove, face met or spectacle to avoid from injury.
Gasoline should not be used to clean up pump inside due to highly flammable.

- 3) After remove flanges, flush pump with water or secure liquid.
- 4) To eliminate the risk of injury by chemical, user should disassemble pump at wide place, away to escape from chemical.
- 5) When exchange failed part to new one, user proceed procedure of exchange part depend instruction manual.
- 6) Disposal of failed part
In order to eliminate pollution, user is required the flush of failed part.
User may return those part agent or PAN WORLD.