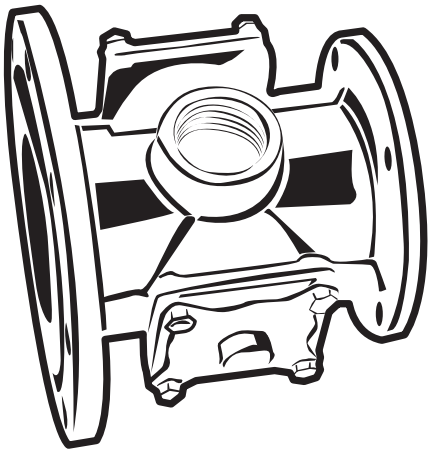
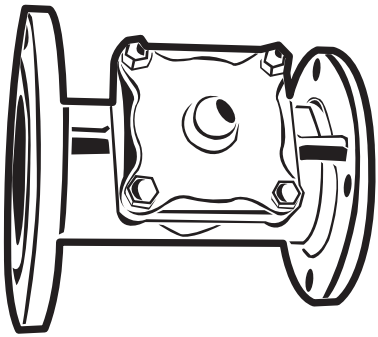
HCP PUMP

Instruction Manual

Seawater Anti-corrosion Protection Connector





Introduction

Thanks for you purchasing HCP Submersible Pump.

- Be sure to read thoroughly and understand completely this Instruction Manual before install and operate this pump.
- Improperly handling this pump or operating this pump in unsuitable environment may reduce product performance and result in accident, personal injury or casualty.
- Make sure to deliver over this Instruction Manual to the technician of operation, maintenance, and inspection who serve this product. Make sure to store this Instruction Manual in safe place where is accessible easily for further reference.
- Contact with supplier where this this pump was purchased or the local authorized dealer. Improperly handling this pump may reduce product performance and result in accident, personal injury and casualty.
- Please do observe all instructions and information which are provided from Warnings, Cautions and Notes in this Instruction Manual.

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1 Product Introduction

- Seawater in the pipeline will corrode the pump, the problem has been difficult to solve for a period of time. In order to improve the convenience of users, HCP developed the seawater anti-corrosion protection connector which with a unique patented, it's the best solution of anti-corrosion and increase the convenience of pump maintenance.
- Seawater anti-corrosion protection connector are installed in the inlet of IC Pump series, by sacrificing the anode plate instead of pump shell been decomposed to extend the life of the pump and reduce the cost of pump maintenance.
- In the long-term operation of the pump, it will gradually consume due to the phenomenon of electrolysis. Therefore, it is necessary to replace it regularly (it is recommended to check for half a year. When the anode plate is decomposed to the remaining one quarter volume, please replace it) , Just remove the cover, you can replace the anode plate, then place the cover back to the sea water corrosion connector, you can complete the replacement of the anode plate, so that the replacement of the anode plate is more convenient.
- In addition, ADT + AC 4"x6" with 2" water injection pipe design, in the beginning of operating the pump, the tube can be used for water injection, so that the pipeline will be filled with water and the pump can run normally.

⚠Caution

- When replace the anode plate, you need to remove the fixed cover, it will cause the water loss, so after the replacement of the anode plate, it's necessary to refill the water and make the pipeline fill with water to maintain the pump operation normally.

2 Components

Seawater anti-corrosion protection connector

Adapter	Inlet diameter (inch)	Discharge PCD*Holes (mm)	Inlet PCD*Holes (mm)	No. of Anode Plate	Length (mm)	Applicable Pump
ADT+AC 3"x4"	4"	180*8	150*4	1	220	IC-43B/45B/46B(60Hz) IC-48/410
ADT+AC 4"x6"	6"	240*8	175*4	2	230	IC-68(50Hz)/610

Accessories

- Seawater anti-corrosion protection connector···1 pc.
- Connect the pump screw & packing·····1 set.
- Inlet flange packing·····1 pc.

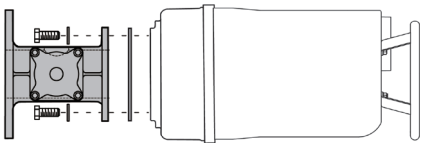
Prepare your own equipment

- Check valve
- 2" water injection pipe (only with ADT + AC 4"x6")

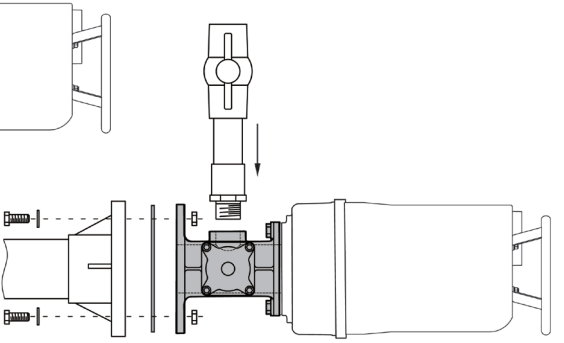
3 Assembly

Illustration is ADT+AC 4 "x6" Installation instructions, ADT+AC 3"x4" No water injection hole.

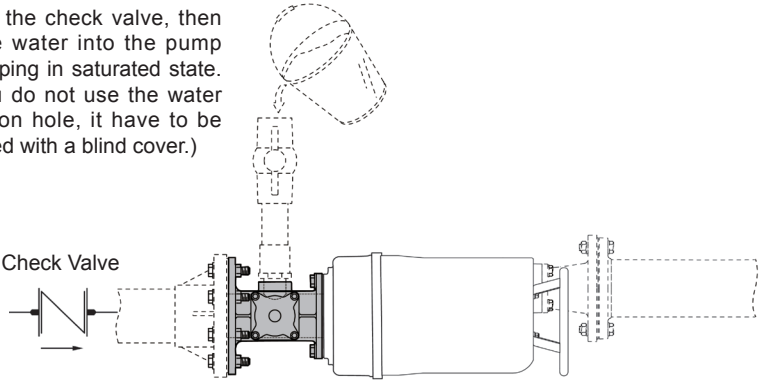
1 Pump installation of seawater anti-corrosion protection connector.



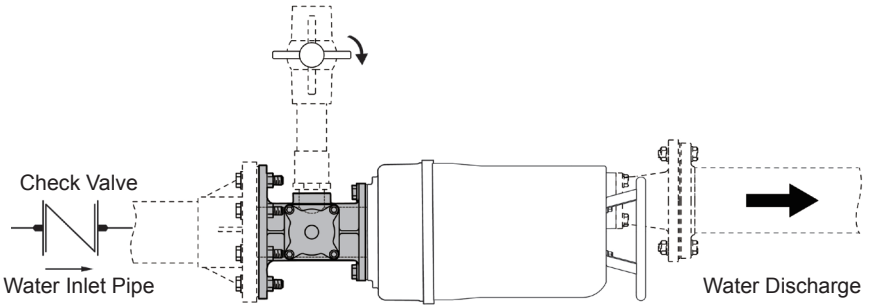
2 Installation of inlet pipe and injection pipe



3 Install the check valve, then fill the water into the pump and piping in saturated state. (If you do not use the water injection hole, it have to be covered with a blind cover.)



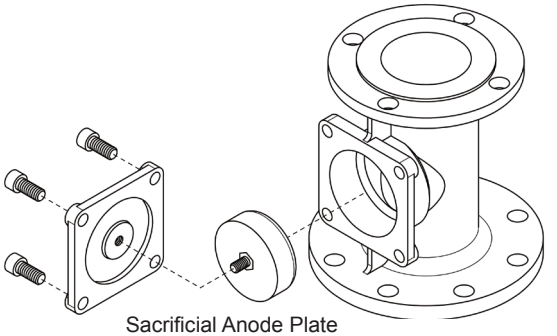
4 Close the water pipe valve and start the pump.



⚠Caution

- In some bad circumstances, the inlet pipe will run into the air, resulting in the pump doesn't work or pumping capacity becomes smaller and cause pump vibration & noise, the water pipe can be easily replenished to prevent pump damage which cause by cavitation.
- The initial use of the pump, it is necessary to completely discharge the tube of air, then the pump can run normally.

5 Replacement of the anode plate (recommended half a year inspection, when the anode plate is decomposed to the remaining quarter volume, please replace it).



⚠Caution

- If the pump is running for more than 8 hours per day, the speed of the decomposition of the anode plate will be increased. Please increase the number of inspections. When the anode plate is decomposed to the remaining one quarter of the volume, please replace it.

※ We reserve the right to alter specifications of product at any time without giving prior notice.

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