

INSTRUCTION MANUAL



Those instructions are for your safety. Read carefully before use, and keep them.

MC 250 E, MC 250E_M, MC 400 E, MC 400 E_M;

MC 500 E, MC 500E_M, MC 650 E, MC 650 E_M;

MC 750 E, MC 750E_M, MC 900 E, MC 900 E_M;

INFORMATION | MANUALS | SERVICE



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1. SECURITY INSTRUCTIONS FOR YOUR SAFETY AND THE GOOD USE OF THE PUMP

⚠ IMPORTANT:for your safety, read the instructions.

a) PERSONAL SAFETY

This pump is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision. Children being supervised not to play with the appliance(For NON-EU market only)

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. (For EU market only)

If supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

The pump must to be supplied through a residual currentdevice (RCD) having a rated residual operating current not exceeding 30 mA.

the pump must not be used when people are in the water; Disconnect the pump from the supply mains before carrying out user maintenance Such as cleaning the filter.

For this pump, pollution of the liquid could occur due to leakage of lubricants.

Risk of injury due to hot water.

If the pump runs for an extended period when the outlet is closed, the water in the pump can become heated so that hot water can emerge from the outlet and cause injuries.

Stay alert, watch what you are doing and use common sense when operating a pump.

Maintain your pump. If the pump is damaged, make it repair by a specialist before any use.

Follow these instructions to use the pump, its accessories, connectors, etc... properly.

The pump must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will

Be considered a case of misuse.

b) ELECTRIC SAFETY

The pump cable plug must match the socket. Never modify the plug in any way. Do not use any adapter plugs. Unmodified plugs and matching sockets will reduce risk of electric shock.

Avoid body contact with earthed or grounded surfaces.

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the pump. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

WARNING Inadequate extension cords can be dangerous. If an extension cord is used, it shall be suitable for outdoor use, and the connection has to be kept dry and off the ground. It is recommended that this is accomplished by means of a cord reel which keeps the socket at least 60 mm above the ground.

The pump is equipped with a socket compatible with it. The power source of your country must be in keeping with international regulations.

c) Designated use

The immersion pump is designed for private use in the house and garden. It must only be operated within the framework of the deployment limitations in accordance with the technical data.

- Water removal in the event of a flood.
- Re-pumping and pumping out from vessel.
- Water removal from streams and shafts.
- Water removal from drain and trickle shafts.

This equipment is suitable neither for drinking water nor for equipment in contact with dishes.

Unplug the equipment from the mains before any intervention.

When the pump is running, there must be no particles in the water (clean water only).

Do not use the pump without a residual-current device

The pump must be used with 220V~240V AC Power supply, as indicated on the rating plate.

Do not use the power cable for carrying the pump or for unplugging.

Make sure that electric connections are protected from humidity.

Avoid dry-running of the pump. Never use the pump if suction hose is obstructed.

It is strictly forbidden to pump corrosive, easily combustible, aggressive or explosive liquids (such as gas, petroleum or nitro thinner), saltwater and food

The temperature of the liquid must not exceed 35°C.

Do not use the pump if safety devices are damaged or depleted. Never deactivate safety devices.

d) PUMP ENVIRONMENT

Do not operate pumps in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Keep children and unqualified persons away from the pump when it is in use

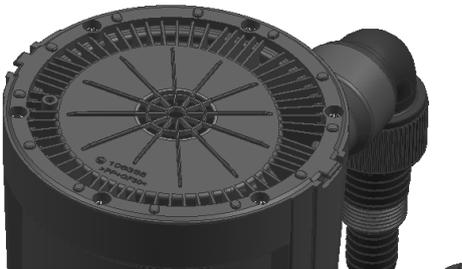
It is necessary to keep children under surveillance, and to make sure that they are not playing with the pump, or its power cord. Keep children away from the pump when operating.

e) 特殊功能展示(Special function shown)

※特别注意(special warning):

从清水 (CW) 状态向低吸功能转换时，一定要注意在切断电源的状态下去操作此步骤，如下图：

From clean water transforms to low suction which must be cut off the power supply firstly.

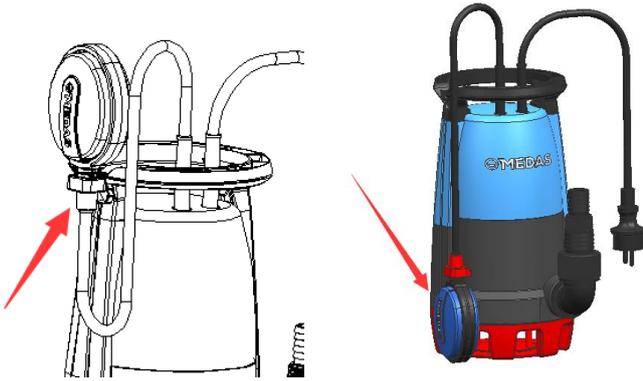


取下外底座 (CW) !

(Take off bottom cover of CW)

2) 该浮子开关可悬挂式和自由悬浮式，根据用户不同要求，自行选择合适状态；

The float switch can be overhung or hang from freely. According to customer's requirement, choose their suitable way.

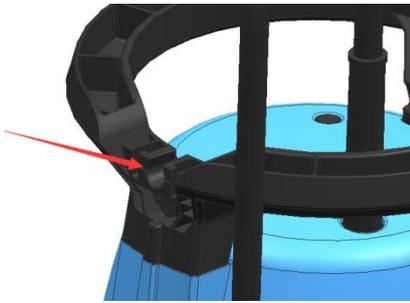


浮子固定夹卡在把手上实现手动功能！浮子开关处于自由状态！

Clamping, realized manual function hanging from freely

3) 浮子开关导线可以固定在把手卡槽内，可行选择不同的启动和停止水位；

When cable of float switch clamp into slot, customer can choose different start level and stop level



浮子导线可以固定在把手卡槽内，且自由长度根据需要进行控制！

Cable of float switch can fix into the slot, length can be controlled according to different requirement

SYMBOL



— The pump must not be disposed of with normal household waste but must be disposed of in accordance with local environmental regulations.



Conformity with safety rules applicable in the EU market.



Read the instructions before use

1.To be checked before you start

Pumps have been designed to suck clear water only.

Drain pumps have been designed to suck clear water or dirty water with particles.

The pump must be installed on a flat and solid surface.

It is not suitable for professional use

2. GETTING STARTED

2.1) Connect a discharge pipe with a diameter at least equal to the diameter of the pump outlet

2.2) Immerse the pump in the liquid to be sucked, by making an angle of 45 degrees (to reduce the amount of air trapped in the pump body). If the pump rests on the bottom, make sure it is on a flat and stable surface.

2.3) Make sure that no one is present in the liquid to be pumped

2.4) Plug the pump to the mains

3. WORKING PRINCIPLES & TECHNICAL SPECIFICATIONS

MC *** E (_ M)

Model	MC 250 E, MC 250 E_M	MC 400 E, MC 400 E_M	MC 500 E, MC 500 E_M	MC 650 E, MC 650 E_M	MC 750 E, MC 750 E_M	MC 900 E, MC 900 E_M
Power	250 W	400 W	500 W	650 W	750 W	900 W
Flow	7500 l/h	11500 l/h	13200 l/h	13200 l/h	15900 l/h	17200 l/h
Head	4.5 m	6.3m	6.6m	7.6m	8.5m	8.9m
Max. Depth	7m	7m	7m	7m	7m	7m
Outlet	G1-1/4	G1-1/4	G1-1/4	G1-1/4	G1-1/4	G1-1/4
Solid max. diameter	3mm; 25mm	3mm; 25mm	3mm 30mm	23mm; 30mm	3mm; 30mm	3mm; 30mm
IP	IPX8	IPX8	IPX8	IPX8	IPX8	IPX8
Weight	3.6kg	3.8kg	4.0kg	4.2kg	4.4kg	4.8kg

4. ACCESSORIES

Connector: 1pc + Universal Fitting: 1pc+ O-ring: 2pcs OR Hose adapter 1pc

Manual: 1pc

5. USE AND DESTINATION OF THE PUMP

Your pump is designed for domestic use. It can be used to remove or transferring.

Your pump must not be used in following situations:

- Water temperature to be sucked > 35°C
- Drinking water supply or washing machines for dishes supply
- Corrosive, easily combustible, aggressive or explosive liquids (such as gasoline, petroleum or nitro thinner), saltwater, oils and greases must not be pumped
- Permanent submersion under 3 meters or more water

6. CARE & MAINTENANCE

 Electric danger

Unplug the pump before any intervention

- In case of temporary installation, the pump must be cleaned up with clear water after use.

- In case of permanent installation, it is necessary to check every 3 months that start mechanism is working properly (float switch or sensor).
- Regularly remove dirt that may accumulate in the sump.
- Do not expose to frost.
- Avoid dry run.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the pump.
- Clean the pump regularly if aspirated liquid cause sediments.
- Avoid shocks, do not let the pump fall.

7. TROUBLESHOOTING

Trouble	Pls check	Should do
The engine does not start and does not make noise.	Is the pump plugged? Does the pump starts when fully submerged?	Check your electrical installation Check that the float can move freely
Pump does not deliver.	Does the impeller rotates? Is it in good condition? Is the pump inlet free? The delivery head requested exceeds the requirements of the pump or the discharge pipe is too narrow	Eliminate the reason for blocking Replace the impeller Clean the pump inlet Use the pump in accordance with its technical capabilities Increase the pipe diameter
The pump stops suddenly	Is there a sufficient water level to suck? Did the pump run for a long time without stopping? Are you sure that the pump inlet is not obstructed? Do the power of the mains match the rating plate? Is the temperature of the liquid less than 35°C?	Disconnect the pump from the mains and let it cool for a few tens of minutes Clean the pump inlet Use a power supply matching the rating plate Observe the maximum allowable temperature
Flow decreases	Is the pump inlet clean? Is the impeller clean? The discharge pipe is not partially clogged?	Clean the area or areas in question (s)
Low flow or insufficient	Are you sure that the pump inlet is not obstructed? Is the impeller clean? Are you sure that the outlet	Clean the zone (s) concerned and verify check valve, if applicable Connecting a pipe with a

	pipe is not obstructed? Is the diameter of the discharge pipe enough?	suitable diameter and suppress reduction of the water passage
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8. CERTIFICATE OF CONFORMITY

For the machinery directive and regulations made for its transposition
 MEDAS, No.35 West Muxu Rd, Jinqiao Industry Zone.MuduTown.WuzhongDistrict.Suzhou China.

Declares that following pumps:

MC 250 E, MC 250E_M, MC 400 E, MC 400 E_M;

MC 500 E, MC 500E_M, MC 650 E, MC 650 E_M;

MC 750 E, MC 750E_M, MC 900 E, MC 900 E_M;

Comply with the following directives

LVD Directive: 2014/35/EU

EMC Directive: 2014/30/EU

Directive ROHS 2011/65/EU

Tests executed in accordance with following regulations:

EN55014-1: 2006+A1+A2

EN55014-2: 1997+A1+A2

EN60335-1: 2012+A11+A13

EN60335-2-41 : 2003+A1+A2

EN61000-3-2: 2006+A1+A2

EN61000-3-3: 2013

EN 62233:2008

Company name: Suzhou MEDAS Co.,Ltd.

Signature:



9. GUARANTEE

This pump is guaranteed for 1 years from the date of purchase.

Conditions of validity of the warranty: The unit must always be handled properly according to the instructions of this manual. The unit must not have been modified or have been repaired by any person other than authorized Service Center

Warranty no longer applies in the following cases:

- Non-compliance with the instructions (especially non-protection against freezing, pumping sand, dry running,

incorrect electrical connection ...)

- Attempting to repair the machine
- Changes in the technical elements of the pump
- Use of replacement parts other than original.
- Damage / malicious (fall or dents on the unit).
- Inappropriate use (eg industrial, continuous operation), and in particular passage of hard and heavy particles (stones), passage of an excessive amount of sand, salt water, water with high lime content ...
- Lack of maintenance or cleaning

Parts not covered by the warranty (if these parts are supplied with the pump)

Rope suspension, fitting.

A repair or exchange with a new product during the warranty period does not extend the original warranty period.

Management of equipment under warranty is provided by the supplier of the product. The product must be accompanied by all accessories and receipt or original invoice and a letter explaining the reason for return or the trouble symptoms observed.

Spare parts: MEDAS strives to provide the main parts for this product on and off warranty period. The planned duration of five years from the date of manufacture, which appears on the rating plate of the product.