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Instruction Manual



Dear Customer

Thank you for choosing Octo, a quality product manufactured by HONYA CO., LTD. In order for you to safely use our product for optimum results, please read this instruction prior to use. We would strongly suggest that you retain this Instruction for future reference.

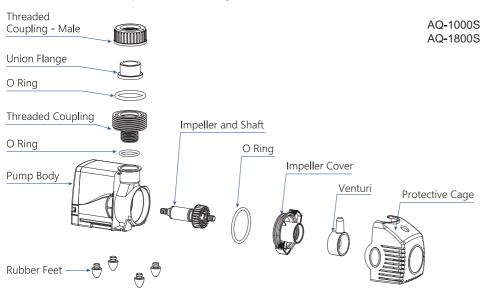
Overview

- High Quality Ceramic Impeller and Shaft for a more durable, cooler and quieter operation.
- Pump Body is manufacture with a mixture of high-grade PC+PET material. This
 material can be submerged long-term in water without experiencing the fatigue
 and degradation typically associated with regular plastic ensuring enhanced durability
 and reliability and the capability to withstand ozone.
- Cooling chambers are built within the pump body to reduce operating temperatures, thereby enhancing the pump's longevity.
- Suitable for both Fresh and Marine water.
- Suitable for Wet or Dry operation.

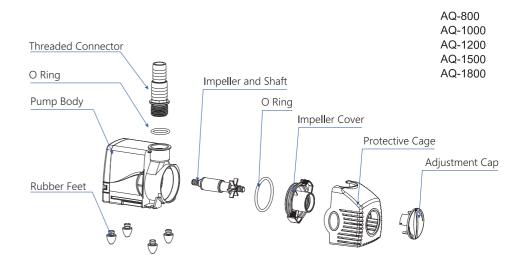
Safety Tips

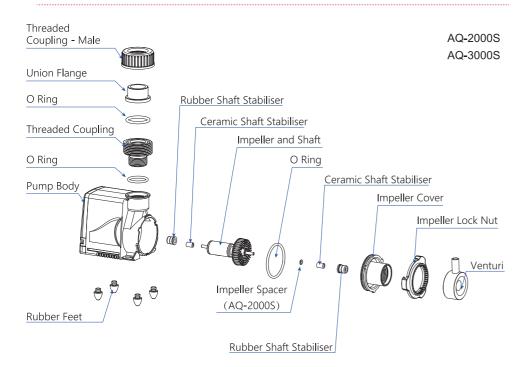
- Do not operate this pump without water flow. Operating without water may cause the pump to overheat, posing a potential fire hazard.
- Do not operate this pump in water containing debris such as sand, mud, or pebbles.
 Such materials can damage the impeller and cause the pump to short-circuit.
- For skimmer pumps, always operate with the air intake open to prevent damage to the needle wheel impeller.
- Please do not carry the pump by the power cable, as this may cause the power cable to break.
- When not in use for a long period, wash the pump with fresh water before storage to prevent calcium carbonate (salt creep) hardening which may impact the pump performance.

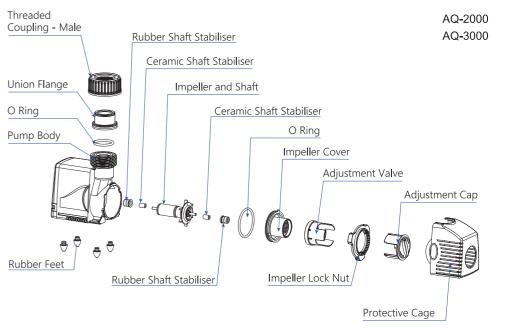
Skimmer Pump Assembly



Water Pump Assembly



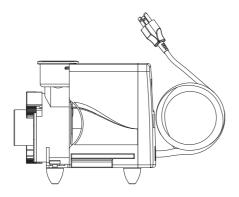




Package

Please check content in the package

Pump Body



• Skimmer Pump accessories

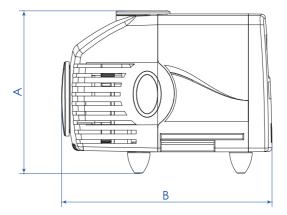
| | | | | | 0 | | Model |
|---|---|---|---|---|---|---|----------|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | AQ-1000S |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | AQ-1800S |
| | 1 | 1 | 1 | 1 | 1 | 1 | AQ-2000S |
| | 1 | 1 | 1 | 1 | 1 | 1 | AQ-3000S |

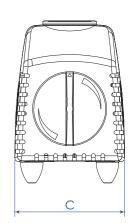
Water Pump accessories

| | | | | | | 0 | _ | Model |
|---|---|---|---|---|---|---|---|---------|
| 1 | 1 | 1 | | | | 2 | 4 | AQ-800 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1000 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1200 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1500 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1800 |
| | | 1 | 1 | 1 | 1 | 1 | 4 | AQ-2000 |
| | | 1 | 1 | 1 | 1 | 1 | 4 | AQ-3000 |

^{*}above parts are listed not according to dimensions.

Size





| Model | Outle | t Size | А | | В | | С | |
|---------|-------|--------|-----|------|-----|------|----|------|
| | mm | inch | mm | inch | mm | inch | mm | inch |
| AQ-800 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1000 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1200 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1500 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1800 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-2000 | 25 | 3/4 | 120 | 4.7 | 135 | 5.3 | 70 | 2.8 |
| AQ-3000 | 25 | 3/4 | 120 | 4.7 | 135 | 5.3 | 70 | 2.8 |

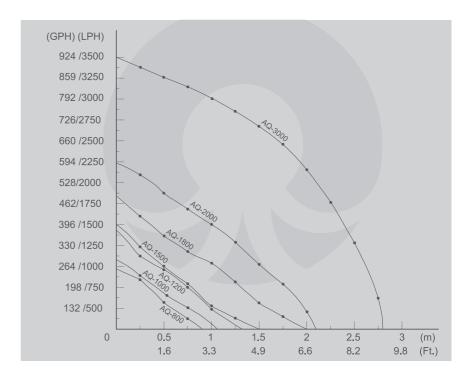
• Skimmer pump specifications

| Model | Voltage / HZ | Power | Air Intake | | Flow | Rate |
|----------|--------------|-------|------------|-----|------|------|
| | V/HZ | W | LPH | GPH | LPH | GPH |
| | 220-240/50 | 8 | 420 | 111 | 350 | 92 |
| AQ-1000S | 120/60 | 9 | 454 | 120 | 350 | 92 |
| AQ-1800S | 220-240/50 | 10 | 480 | 127 | 530 | 140 |
| AQ-10003 | 120/60 | 11 | 511 | 135 | 530 | 140 |
| AQ-2000S | 220-240/50 | 17 | 720 | 190 | 750 | 198 |
| AQ-20003 | 120/60 | 18 | 720 | 190 | 750 | 198 |
| AQ-3000S | 220-240/50 | 35 | 880 | 232 | 800 | 211 |
| AQ-30003 | 120/60 | 35 | 871 | 230 | 800 | 211 |

Water pump specifications

| Model | Voltage / HZ | Power | Head Height | | Flow | Rate |
|----------|--------------|-------|-------------|-----|------|------|
| | V/HZ | W | m | Ft. | LPH | GPH |
| 40.000 | 220-240/50 | 6 | 0.8 | 2.6 | 880 | 232 |
| AQ-800 | 120/60 | 7 | 0.9 | 3.0 | 908 | 240 |
| 10.4000 | 220-240/50 | 8 | 1.0 | 3.3 | 1150 | 304 |
| AQ-1000 | 120/60 | 11 | 1.1 | 3.6 | 1136 | 300 |
| 10.4000 | 220-240/50 | 10 | 1.1 | 3.6 | 1300 | 343 |
| AQ-1200 | 120/60 | 15 | 1.3 | 4.3 | 1287 | 340 |
| AO 4500 | 220-240/50 | 15 | 1.4 | 4.6 | 1500 | 396 |
| AQ-1500 | 120/60 | 18 | 1.5 | 4.9 | 1476 | 390 |
| A O 4000 | 220-240/50 | 23 | 1.9 | 6.2 | 1850 | 488 |
| AQ-1800 | 120/60 | 25 | 2.0 | 6.6 | 1798 | 475 |
| 40.0000 | 220-240/50 | 42 | 2.0 | 6.6 | 2000 | 528 |
| AQ-2000 | 120/60 | 45 | 2.1 | 6.9 | 2203 | 582 |
| 40.0000 | 220-240/50 | 62 | 2.8 | 9.2 | 3300 | 871 |
| AQ-3000 | 120/60 | 65 | 2.8 | 9.2 | 3501 | 925 |

Pump Perfomance



- Optimal operating water temperature between 0-35°C.
- Do not operate and expose this pump to direct sunlight.

Maintenance

- For your safety, please ensure that this pump is plug into a power supply with earthing (grounding) connection.
- Please ensure that your pump is unplug before maintenance.
- Please ensure that both the power plug and your hands are dry before plugging in and turning on this pump.
- Warranty will be void if you attempt to extent or splice power cable or make any modifications to the pump.
- During operation, pump will be warm to touch, this is normal.

Trouble Shooting

| Abnormal noise when pump is running. | Debris is trap inside pump chamber. | Off the pump, unplug the pump from power supply and remove debris from pump's chamber and impeller. |
|---|---|---|
| Pump not able to start/run. | Larger debris could be trap inside the pump's chamber. Impeller is stuck or not turning. | Check the Impeller to ensure that it is not cracked or broken. |
| Plug in pump and the circuit breaker activated. | Electrical fault. | Disconnect the pump and contact our After Sales Service in your region. |
| Minimal flow or no flow. | Intake is block, remove blockages. Pump is not fully submerged in water. | Check both water level and/or intake. |
| Abnormal or low air volume for Skimmer pump. | Intake pipe is blocked or kinked. Air Diffuser is blocked. Misplaced Impeller. Silencer is choked. | Check all the above. |
| Abnormal vibrations. | Abnormal low power operations. | Ensure power supply grid is restore before plugging pump in. |
| | | |

Notes







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亲爱的客户:

感谢你选择OCTO产品!

为确保您的安全及使用时得到最佳效果,请详细阅读此使用说明。

(阅读后,请保存这份手册,以备以后参考)

产品特点

- 耐磨陶瓷轴/轴套。
- 优质合金塑料PC+PET注塑泵体(区别于的普通塑料,耐水解/耐一般臭氧)。
- 自带水路润滑和降温结构,有效的降低了泵体转子工作温度,避免了转子 在高温状态下工作,提高了转子的使用寿命。
- 淡水,海水适用。
- 干式, 湿式两用。

注意事项

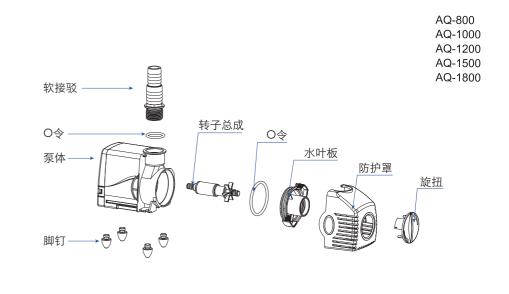
- 请勿在无水时运转水泵,如运转会导致水泵发热引起火灾危险。
- 请勿在泥沙中运转水泵,如运转会导致水泵内部损坏引起漏电危险。
- 蛋分泵请勿闭气起动及运转,容易造成转子损坏。
- 请勿直接提电源线拿泵,容易造成电源线断裂。
- 长时间不使用, 需用清水清洗水泵及转子, 防止海水结盐, 影响下次使用。

蛋分泵装配图

活接盖子 —

活接盖子 AQ-1000S 活接上件 AQ-1800S 活接下件 O令 聚体 M15件 DO令 水叶板 加气件 防护罩

循环泵装配图

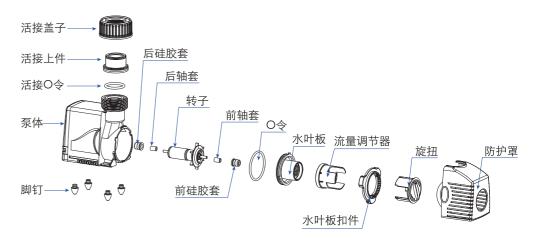


AQ-2000S AQ-3000S

活接上件 → □
 活接O令 → □
 活接下件 → □
 后硅胶套
 ○令
 京体 → □
 前轴套
 水叶板 水叶板扣件
 加气件

前硅胶套

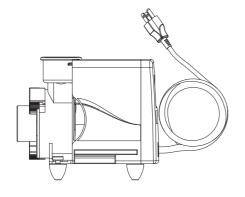
前垫片 (AQ-2000S用) AQ-2000 AQ-3000



配件明细

请检查包装内物件是否齐全

• 泵体



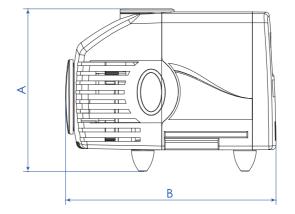
• 蛋分泵配件包

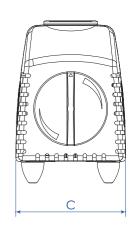
| | | | | | 0 | | 型号 |
|---|---|---|---|---|---|---|----------|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | AQ-1000S |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | AQ-1800S |
| | 1 | 1 | 1 | 1 | 1 | 1 | AQ-2000S |
| | 1 | 1 | 1 | 1 | 1 | 1 | AQ-3000S |

• 循环泵配件包

| | | | | | | 0 | _ | 型号 |
|---|---|---|---|---|---|---|---|---------|
| 1 | 1 | 1 | | | | 2 | 4 | AQ-800 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1000 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1200 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1500 |
| 1 | 1 | 1 | | | | 2 | 4 | AQ-1800 |
| | | 1 | 1 | 1 | 1 | 1 | 4 | AQ-2000 |
| | | 1 | 1 | 1 | 1 | 1 | 4 | AQ-3000 |

^{*}以上配件按照样式/名称划分,不以尺寸划分(型号不同的泵,配件尺寸是不同的)。





| 型号 | 出力 | KП | А | | В | | С | |
|---------|----|------|-----|------|-----|------|----|------|
| | mm | inch | mm | inch | mm | inch | mm | inch |
| AQ-800 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1000 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1200 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1500 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-1800 | 20 | 1/2 | 90 | 3.6 | 115 | 4.5 | 60 | 2.4 |
| AQ-2000 | 25 | 3/4 | 120 | 4.7 | 135 | 5.3 | 70 | 2.8 |
| AQ-3000 | 25 | 3/4 | 120 | 4.7 | 135 | 5.3 | 70 | 2.8 |

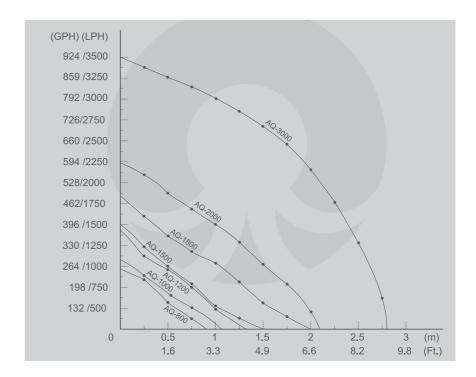
• 蛋分泵参数

| 型号 | 电压/赫兹 | 功率 | 气量 | | 流 | 流量 | |
|-----------|------------|----|-----|-----|-----|-----|--|
| | V/HZ | W | LPH | GPH | LPH | GPH | |
| A O 4000C | 220-240/50 | 8 | 420 | 111 | 350 | 92 | |
| AQ-1000S | 120/60 | 9 | 454 | 120 | 350 | 92 | |
| AQ-1800S | 220-240/50 | 10 | 480 | 127 | 530 | 140 | |
| AQ-10003 | 120/60 | 11 | 511 | 135 | 530 | 140 | |
| AQ-2000S | 220-240/50 | 17 | 720 | 190 | 750 | 198 | |
| AQ-20005 | 120/60 | 18 | 720 | 190 | 750 | 198 | |
| AQ-3000S | 220-240/50 | 35 | 880 | 232 | 800 | 211 | |
| AQ-30003 | 120/60 | 35 | 871 | 230 | 800 | 211 | |

• 循环泵参数

| 型号 | 电压/赫兹 | 功率 | 扬 | 程 | 流 | 量 |
|----------|------------|----|-----|-----|------|-----|
| | V/HZ | W | m | Ft. | LPH | GPH |
| 40.000 | 220-240/50 | 6 | 0.8 | 2.6 | 880 | 232 |
| AQ-800 | 120/60 | 7 | 0.9 | 3.0 | 908 | 240 |
| 10.4000 | 220-240/50 | 8 | 1.0 | 3.3 | 1150 | 304 |
| AQ-1000 | 120/60 | 11 | 1.1 | 3.6 | 1136 | 300 |
| 10.4000 | 220-240/50 | 10 | 1.1 | 3.6 | 1300 | 343 |
| AQ-1200 | 120/60 | 15 | 1.3 | 4.3 | 1287 | 340 |
| 10.4500 | 220-240/50 | 15 | 1.4 | 4.6 | 1500 | 396 |
| AQ-1500 | 120/60 | 18 | 1.5 | 4.9 | 1476 | 390 |
| 10.4000 | 220-240/50 | 23 | 1.9 | 6.2 | 1850 | 488 |
| AQ-1800 | 120/60 | 25 | 2.0 | 6.6 | 1798 | 475 |
| 4.0.0000 | 220-240/50 | 42 | 2.0 | 6.6 | 2000 | 528 |
| AQ-2000 | 120/60 | 45 | 2.1 | 6.9 | 2203 | 582 |
| 40.2000 | 220-240/50 | 62 | 2.8 | 9.2 | 3300 | 871 |
| AQ-3000 | 120/60 | 65 | 2.8 | 9.2 | 3501 | 925 |

扬程流量曲线图



使用环境

- 产品适用于水温0-35℃。
- 产品避免安装在阳光直照的环境中,(会加速老化)。

维护与保养

- 为了你与设备的安全, 在使用本产品时, 需使用在有接地装置的断路器开关上。
- 在维护水泵时请先从主电源上断开电源线。
- 插头潮湿及手上潮湿时请不要将插头接入主电源防止发生漏电危险。
- 电源线开裂时请不要使用水泵,不要私自更换电源线;请及时联系售后。
- 泵身微微发热属于正常现象。

常见故障/处理

| 故障表现 | 故障原因 | 处理办法 |
|------------|---|---|
| 水泵异响 | 泵头内吸入异物; | 1.断开电源; 2.拆开泵头,清理异物; |
| 水泵无法起动 | 1.水泵吸入异物导致叶 轮卡住; 2.转子轴与轴套结死; | 拆开泵头检查叶轮及 转子; |
| 水泵接入电源跳闸 | 水泵漏电; | 断开电源, 联系售后; |
| 循环泵水量变小或无水 | 1.进水口被遮挡; 2.水泵进水口没有完 全淹没在水下; | 检查水位或进水口; |
| 蛋分泵气量变小 | 1.进气管遮挡; 2.加气件内部堵死; 3.叶轮脱落; 4.消声器进气堵死; | 检查进气管与加气件是 否堵塞;针刷是否脱落; |
| 水泵抖动运转异常 | 1.电压及频率错误; 2.电压不稳定,启动异常; | 1.核对泵标签的电压频 率; 2.待电压稳定后再启动 水泵; |

Notes

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