





ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.



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Axiom Water companies



**RS-32EA**

## **Operating Instructions**



## **Introduction**

Thank you for purchasing this APP submersible pump.

The RS32EA is an submersible pump with automatic level control. Fitted with a compact, external float-switch, the internal mechanism combines an electronic sensor with a mechanical float switch.

It is able to pump down to a level of approximately 20mm, and the compact design is particularly suited to flat, shallow or awkward areas where there is not a sump e.g. lift shafts, ducts, concrete channels, pre-formed vessels etc.

Constructed in thermoplastic, the RS32EA Pump is designed for clean and slightly dirty water. The stainless steel shaft is fitted with a carbon/ceramic mechanical seal, an intermediate oil chamber and inner lip seal. For increased reliability it is fitted with an anti-airlock device and is supplied with a non-return valve to prevent back flow of water. This model offers excellent reliability in domestic, trade and industrial applications, where high quality of construction at a low price is required. Supplied with 10 metres of heavy duty rubber power cable.

## **Operation**

The level control mechanism is contained within a rectangular enclosure mounted on the side. When the water level rises to 25mm the internal float switch is triggered. When the water level drops to 20mm, the electronic sensor continues to run the pump for another 45 seconds. During this period the water level will reduce further.

## **Applications**

- Pre-formed vessels
- Lift shafts
- Tanks
- Shallow sumps
- Basements
- Narrow sumps



## **Safety**



Read all instructions before use.



Keep all pump equipment away from the reach of children.



These pumps are not suitable for pumping salt water, corrosive, explosive or flammable liquids (petrol, thinners).



Do not modify the pump in any way.



Do not operate the pump if anyone is in the water/liquid you are pumping.



Do not lift or carry the pump by the power cable or float cable—use the easy carry handle.



Before taking action of any kind on the pump, make sure it is disconnected from the power supply.



Do not operate or connect to a power supply if there are any signs of damage to the pump or the power cable.

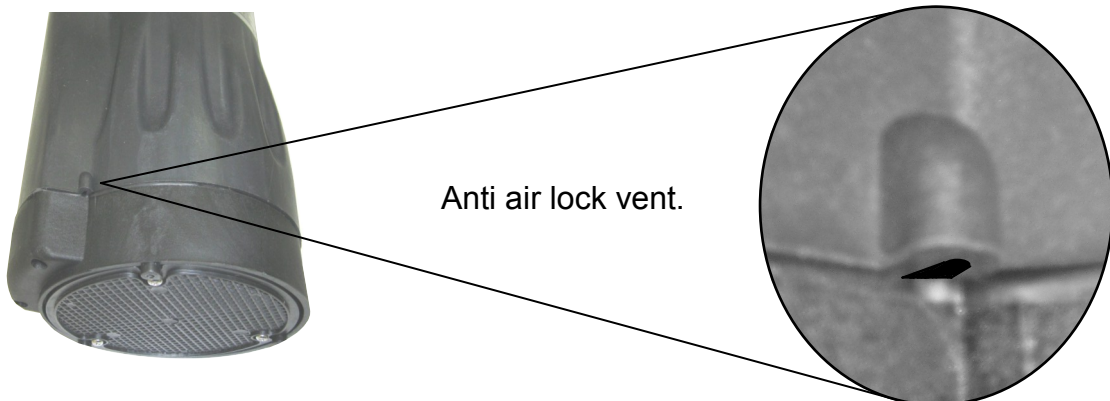


Do not try to disconnect the power cable plug from the mains by pulling on the power cord.



17th edition regulations states you must always use a power breaker for outside use. We recommend you must use one for inside use too.

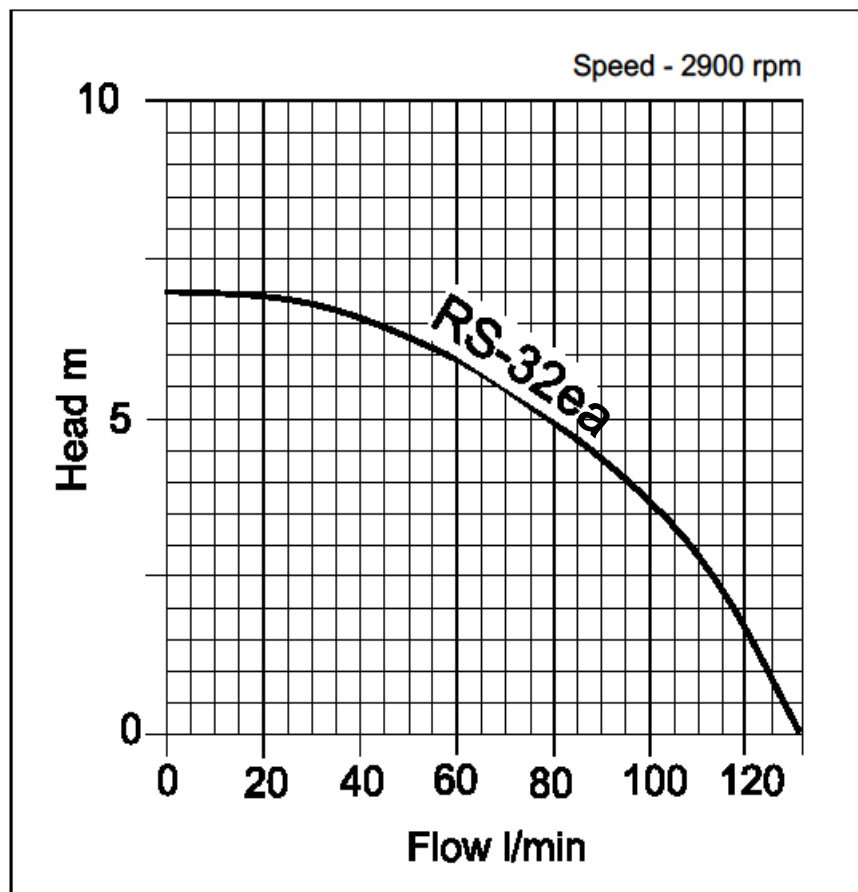
## **Features**



## Specification

Model	Outlet (mm)	kW (output)	Flow (l/min)	Head (mtrs)	Free passage (mm)	w x l x h (mm)
RS-32EA	32	0.20	130	7	2	170x155x285

- Free passage = diameter of soft solids able to pass through the pump
- Maximum depth of immersion = 6 to 8 metres.



### **Preliminary inspection**

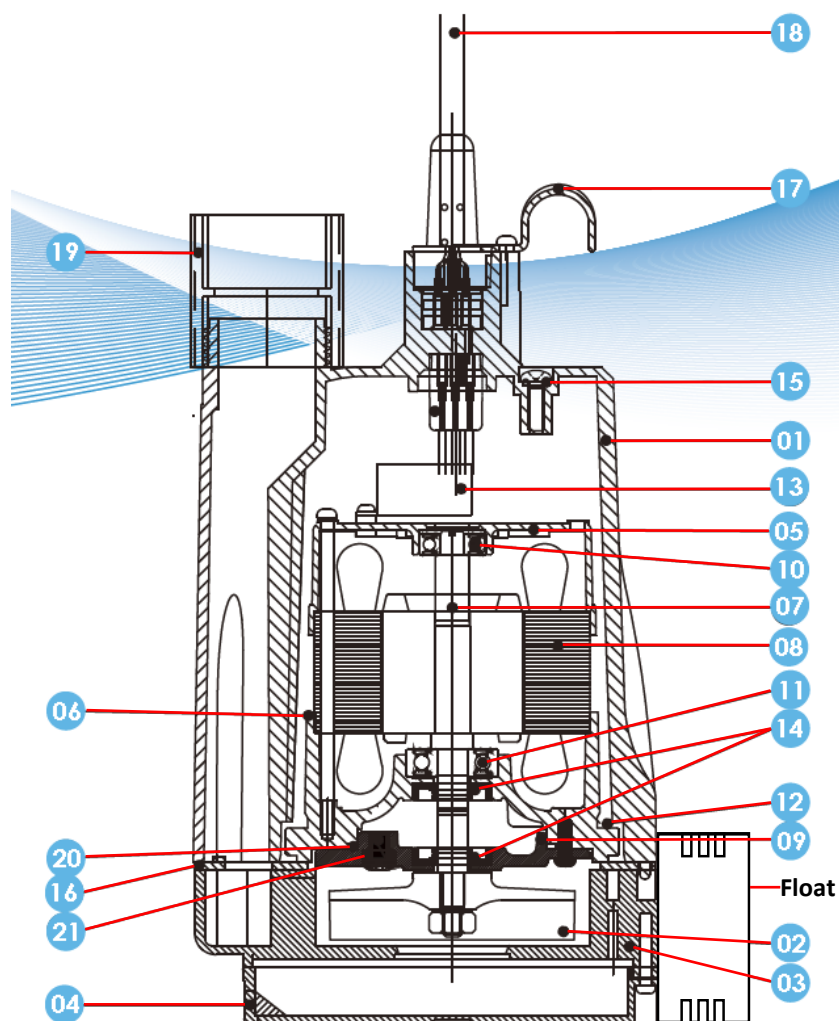
- When unpacking your pump carry out a visual inspection for any damage to the pump and power cable before operating.
- Check that the pump is the correct voltage and the model ordered.
- Ensure the technical data on the pump and in the specifications section corresponds with your electrical and pumping requirements.

### **Installation and operation**

- Before installation carry out a visual inspection for any damage to the pump and power cable.
- Any pipe connections should be attached before use.
- Place the pump in a stable position. Do not fit it suspended from the power cable or the delivery pipe.
- Fit it in a raised position (e.g. on a plinth) so that accumulated debris is not sucked in with the liquid.
- Connect the power cable to an appropriate power source corresponding with the voltage of the pump.

### **Recommendations**

- Do not attempt electrical repairs.
- Disconnect the power supply if the pump gets blocked. Failure to do so may cause damage to the motor.
- Do not allow the pump to run dry. This can overheat the motor.
- Do not pump liquids that are above 40°C.
- Do not allow the pump to freeze. This can cause serious damage.
- Remove any debris from the area to be pumped, that could cause a blockage.
- Check the installation regularly.
- Always replace broken or worn parts with original spares only.
- Retain these instructions, the packaging the pump was supplied in (for use if the pump needs to be returned) and a copy of your purchase receipt (for future reference) in a convenient place.



No.	Part name	No.	Part name	No.	Part name
1	Motor Housing	8	Stator	15	O-Ring
2	Impeller	9	Oil Seal Cover	16	Packing
3	Pump Casing	10	Upper Bearing	17	Handle
4	Strainer	11	Lower Bearing	18	Power Cable
5	Upper bearing cover	12	Packing	19	Non-Return Valve
6	Lower Bearing Cover	13	Capacitor	20	O-Ring
7	Shaft	14	Oil Seal	21	O-Ring

## **Warranty**

Warranty is offered for a period of one year from date of purchase and covers failure of equipment due to faulty components or assembly. Warranty covers parts and labour only and excludes any carriage charges to the supplier's works. Fair wear and tear and miss-use are excluded from any warranty. The supplier reserves the final decision regarding validity of any claim.

Customers shall not attempt any repair or adaptation to equipment during the warranty period, or use the equipment for any purpose other than for which it was designed. Any such interference or miss-use will negate any claim for warranty.



## **Trouble shooting**

<b>Problem</b>	<b>Causes</b>	<b>Solutions</b>
Pump will not run/ circuit breaker trips/fuse blows.	<ul style="list-style-type: none"> <li>Faulty or switched off power supply.</li> <li>Fault or break in the power cable(pt.no.10)</li> <li>Blocked impeller(pt.no.6)</li> <li>Motor protector may be operational.</li> <li>Fuse rating too small.</li> <li>Defective motor.</li> </ul>	<ul style="list-style-type: none"> <li>Check power supply.</li> <li>Inspect the cable for any damage. If damage is found do not attempt to run the pump.</li> <li>Strainer (pt.no.9) can be removed and debris cleared.</li> <li>Disconnect power supply and leave the pump for a few minutes to cool.</li> <li>Fit correct rated fuse.</li> <li>Contact your supplier.</li> </ul>
Pump runs but no liquid is delivered.	<ul style="list-style-type: none"> <li>Blockage in the outlet pipe.</li> <li>Blockage to strainer(pt.no.9).</li> <li>Blockage to air lock vent (see p3)</li> <li>Non return valve is fitted the wrong way.</li> <li>Pump is air-locked</li> </ul>	<ul style="list-style-type: none"> <li>Unblock by jetting or roding the outlet pipe.</li> <li>Clear and wash away any blocking debris.</li> <li>Clear and wash away any blocking debris</li> <li>Turn the non return valve around with flap opening away from pump.</li> <li>Start and stop pump several times and/or check for clogged vent hole in pump case (pt.no. 8) see page 2.</li> </ul>
Insufficient flow rate.	<ul style="list-style-type: none"> <li>Debris blocking outlet pipe .</li> <li>Outlet pipe kinked.</li> <li>Blockage to strainer(pt.no.9).</li> <li>Too much head, outlet pipe too long or diameter too small.</li> </ul>	<ul style="list-style-type: none"> <li>Unblock by jetting or roding.</li> <li>Un-kink outlet pipe.</li> <li>Clear and wash away any blocking debris.</li> <li>Reduce head or length of outlet pipe, or increase diameter of outlet pipe.</li> </ul>
Pump will not switch off.	<ul style="list-style-type: none"> <li>Water level may be above 25mm</li> <li>Defective Float switch.</li> </ul>	<ul style="list-style-type: none"> <li>Wait for water level to drop further.</li> <li>Contact your supplier.</li> </ul>
Pump is vibrating excessively &/or is noisy.	<ul style="list-style-type: none"> <li>Motor bearings (pt.no.8) are damaged.</li> <li>Loose debris in the pump casing (pt.no.2)</li> </ul>	<ul style="list-style-type: none"> <li>Contact your supplier.</li> <li>Strainer (pt.no.9) can be removed and debris cleared.</li> </ul>

## **Declaration of Conformity**

Product : RS-32ea

Manufacturer: Hung Pump Industrial Co. Ltd.

Address: 16 Lian-Ming Street  
Ba-de City  
Taoyuan  
Taiwan 334  
R. O. C.

Imported by: Obart Pumps Ltd

Address: Obart House  
Liphook Way  
20/20 Industrial Estate  
Maidstone  
Kent  
ME16 0FZ

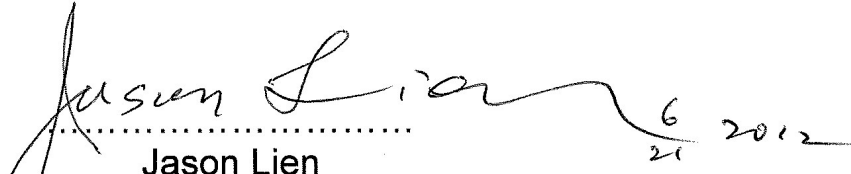
We hereby declare that the above mentioned products conform to the following EU directives:

**EN 60335-2-41:** 2003 + A1:2004 + A2:2010

**EN 60335-1:** 2002 (incl. Corr.:2009/2010) + A11:2004 +  
A1:2004 + A12:2006 + A2:2006 +  
A13:2008 + A14:2010

**EN 62233:** 2008 (incl. Corr.:2008)

Person responsible for this declaration:

  
.....  
Jason Lien  
Director of Engineering  
Hung Pump Industrial Co. Ltd.