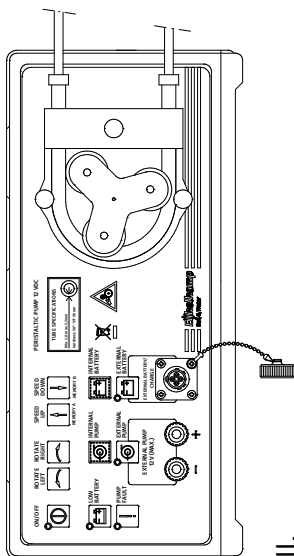


Short manual peristaltic pump 12 VDC (to be used in addition to the extended manual)

Charging the battery

- The peristaltic pump is supplied charged and tested.
- A fully charged battery provides 2-5 hours of power for the pump.
- Charging the battery takes approx. 8 hours.
- The battery requires no maintenance.
- The battery charger can remain connected even if the battery is full.
- The battery can be recharged at any moment (does not need to be empty).
- The instrument is protected against discharging of the battery beyond a critical point when the pump is used.
- Recharge the battery after every use of the pump. Longer life time of the battery.
- Even if the pump is not used, the battery must be charged at least once every month.



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During use, always use the pump's cover plate.

Tube

- The pump housing itself must be fitted with a ± 30 cm rubber tube with a hardness/elasticity of 50 - 55° Shore and a total (= double) wall thickness between 4.0 and 4.4 mm.
- The tube must be dry on the outside.
- During operation of the pump the pump housing must be and remain dry. Suction- and delivery capacity otherwise is lost completely (in the rain the pump must be covered).
- In rainy weather the pump must not be placed standing up but it must be laid down on the brace.
- For protection against sand, dirt or water on the bearings, always use the pump's cover plate.
- The rubber tube can be extended with a PE or Teflon tube.
- The pump is self-priming. With a silicon rubber tube 6 x 10 mm up to a water column of 6-9 meter (sea level). With a 4 x 8 mm tube up to a water column of 8-9.5 m.

Control of the peristaltic pump

- Switch the pump on and off using the ON/OFF-key.
- Push the SPEED UP key 10 times.
- Take a piece of silicon rubber tube of the right thickness/diameter and with a length of at least 30 cm.
- Push the tube into the lower opening under the press-on brace and guide it into the pump until it protrudes from the top side again (some turning and twisting of the tube may be required).
- Press/screw the brace tight again.
- Extend the silicon rubber tube on the suction- as well as on the delivery side using a PE or Teflon tube.
- It's also possible to insert tube while the pump is not running. Insert the tube by carefully removing the pump's cover plate (remove millet nut A and B) and unfastening the pressure clasp.
- If pressure builds on the delivery side (for instance for pressure filtration) then the tube connection from rubber to plastic must be fitted with a clamp in order to avoid detachment.

The direction of rotation anti-clockwise

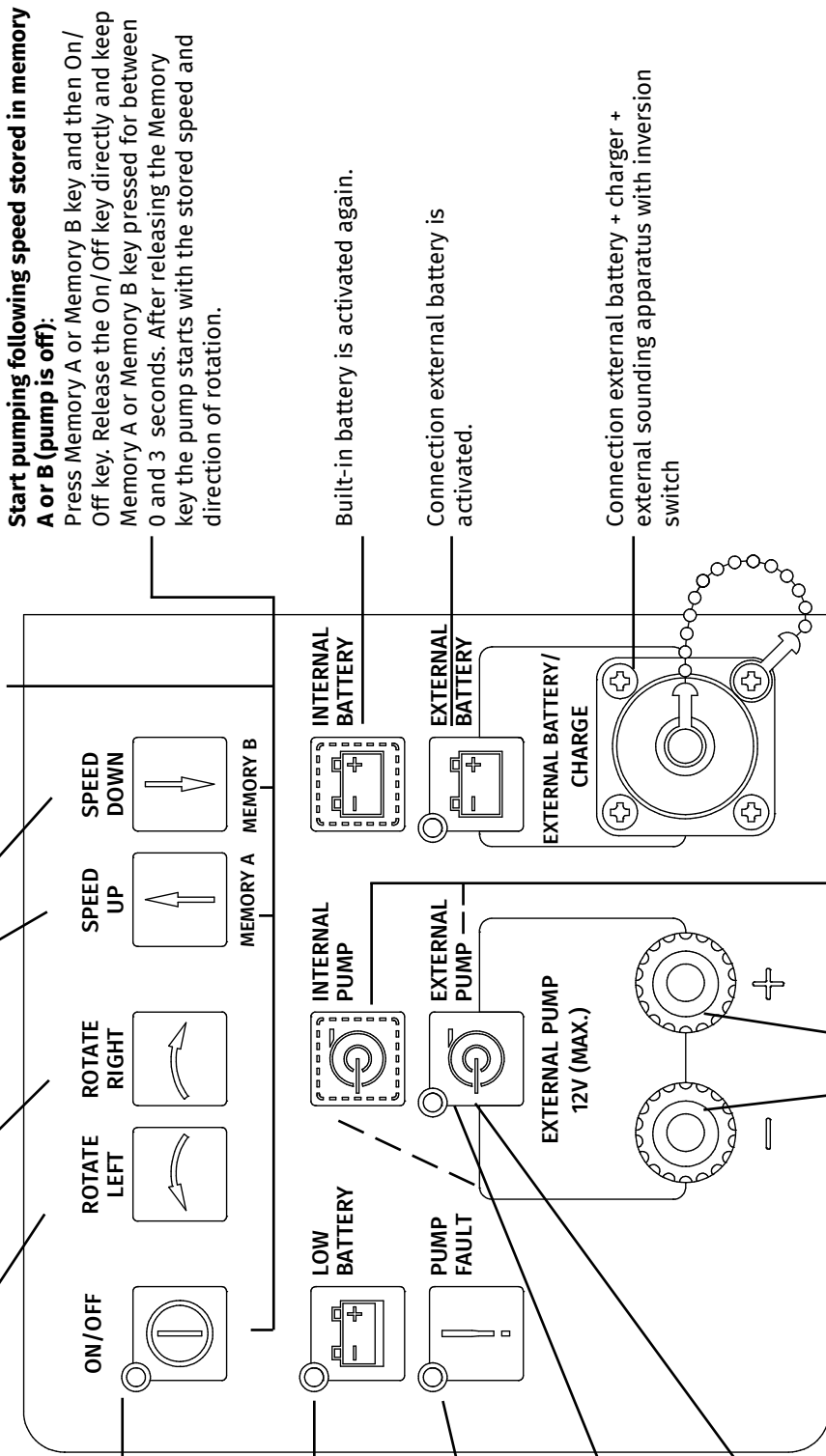
The direction of rotation of the pump is clockwise (standard setting)

Per click the speed of the peristaltic pump is increased or decreased with 10 rotations per minute.

Programming the speed memory:

1. Switch off the appliance
2. Press keys Memory A or Memory B and then the On/Off key. Release the On/Off key. Keep the Memory A or memory B key pressed for between 3 and 6 seconds. Then release the keys A or B, adjust speed and direction of rotation in the usual way and switch off the machine with the On/Off-key**.

Operation membrane key-pad



On/Off/Reset*-key
* Push reset key if the pump was blocked.

Battery voltage low. The pump will stop soon. Connect external feed and/or recharge the battery.

Warning for overload, for instance if the pump is blocked. Release and reset using the On/Off-key.

- A. Push this key in order to temporarily stop the pump (volatile speed storage). Nothing is allowed to be connected to the 'external pump' pins now (see also C).
- B. Push this key to activate the connecting pins (for instance in order to activate the submersible impeller pumps).

** Older appliances do not have a speed memory. They can be fitted with such a memory however applying an upgrade.

Start pumping following speed stored in memory A or B (pump is off):

Press Memory A or Memory B key and then On/Off key. Release the On/Off key directly and keep Memory A or Memory B key pressed for between 0 and 3 seconds. After releasing the Memory key the pump starts with the stored speed and direction of rotation.

Built-in battery is activated again.

Connection external battery is activated.

Connection external battery + charger + external sounding apparatus with inversion switch

Connecting pins external pump(s) (12 Vdc max. 6 Amp.)

- C. Peristaltic pump starts running at preset speed if it was stopped earlier by pressing the 'external pump' key (volatile storage speed) ** (see also under A).
- D. Switches back to the peristaltic pump after use of the external pump.

Declaration of Conformity Déclaration de Conformité Konformitätserklärung

This corresponds to EN ISO/IEC 17050-1

We / Nous / Wir
Eijkelkamp Soil & Water, 6987 EM Giesbeek

declare under our sole responsibility that the product
déclarons sous notre seule responsabilité que le produit
erklären in alleiniger Verantwortung, dass das Produkt

12.25 Peristaltic pump STANDARD

to which this declaration relates is in conformity with the following standards
auquel se réfère cette déclaration est conforme aux normes
auf das sich diese Erklärung bezieht, mit den folgenden Normen übereinstimmt

- Machinery Directive 98/37/EG
EMC Directive 89/336/EG
- Applied to European standards (generic):
 - EN 50081-1 Emission test, light industrial
 - EN 50082-1 Immunity test, light industrial

Eijkelkamp Soil & Water
July 2013


F. Tillmann
CEO