

BLUELINE

Tauchpumpe FSP 300 Automatic mit integriertem Niveauschalter



Einsatzgebiete

- Besonders geeignet für enge Schächte
- Flachabsaugung - Entwässerung rund ums Haus
- Entleerung von Restmengen

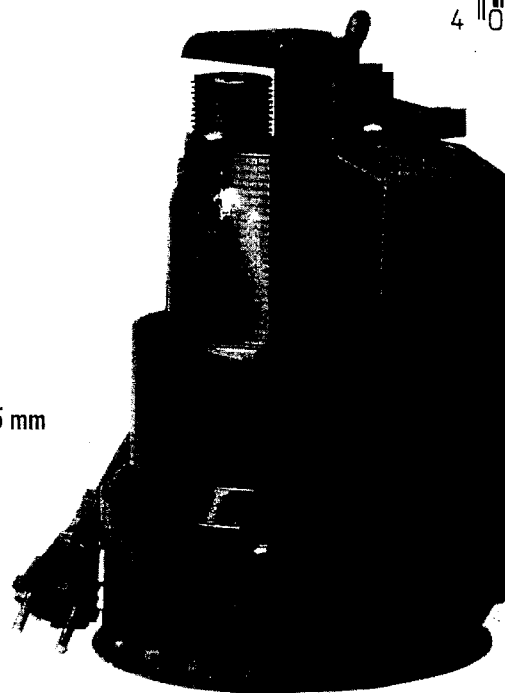


4 027923 003709

Art-Nr. 600 000 0204

Technische Daten

- Motorleistung 270 Watt
- Spannung 230V/50 Hz
- Fördermenge 5400 l/h (max.)
- Förderhöhe 6,5 m (max.)
- Eintauchtiefe 5 m (max.)
- Flachabsaugend bis 5 mm
- Anschluss R1" AG / Schlauchanschluss \varnothing 25 mm
- Pumpendurchmesser 185 mm (max.)
- Pumpenhöhe 240 mm



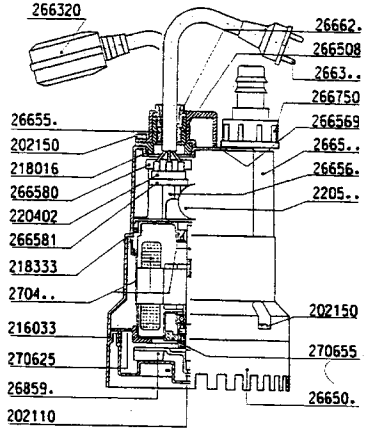
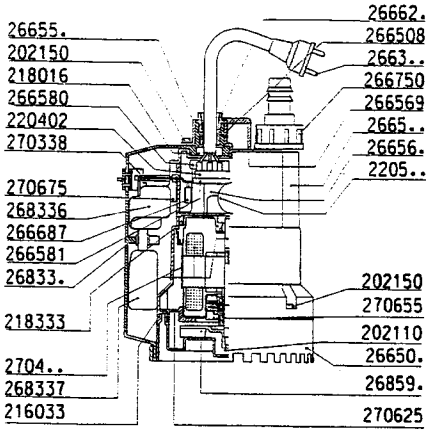
Hauptmerkmale

- Integrierte vollautomatische Niveauschaltung
- Flachabsaugend bis 5 mm
- Körnergröße \leq 5 mm
- Gehäuse aus schlagfestem Kunststoff
- 10 m Kabel mit Schuko-stecker
- Stabiler Tragegriff
- Integrierter Überlastschutz

INCORPORATED FLOAT SWITCH
 FLOTTEUR INCORPORÉ
 INNEBYGGET FLOTTØRBYTER

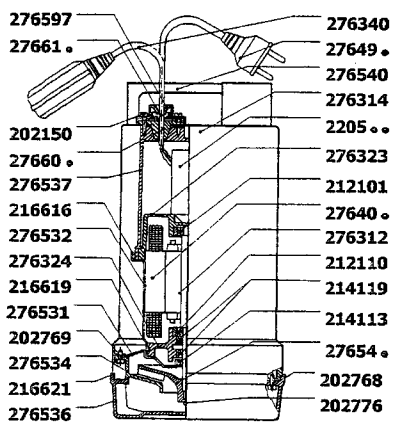
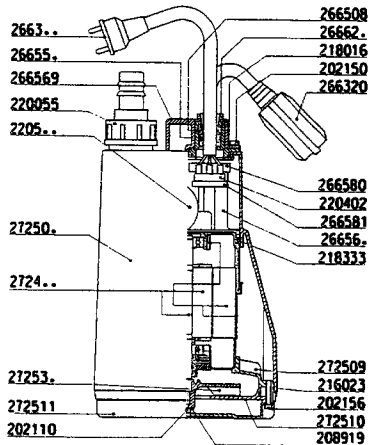
INBYGGD FLOTTØRBRYTARE
 EINGEBAUTER SCHWIMMER
 GALLEGGIANTE INCORPORATO

AUTOMATIC

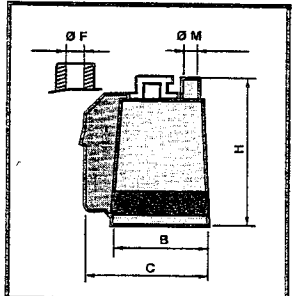


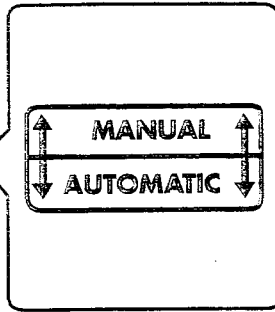
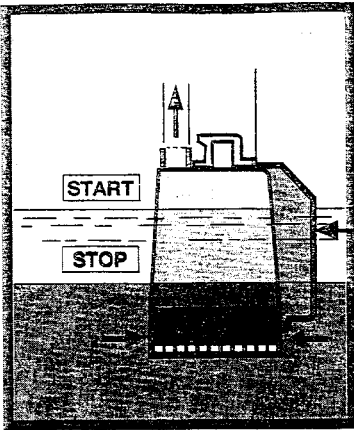
270 W - 50 Hz
 310 W - 60 Hz

950 W - 50 Hz
 1100 W - 60 Hz

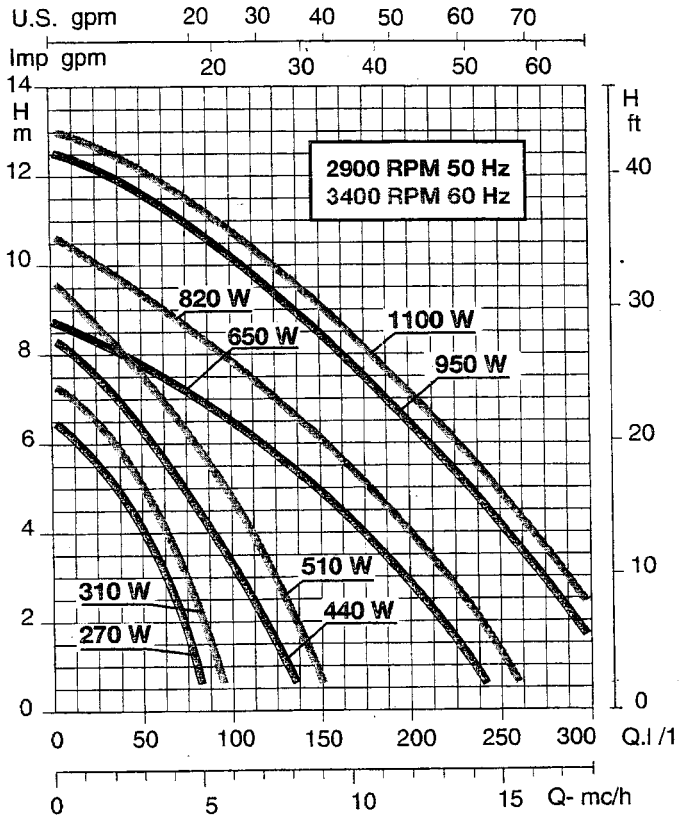
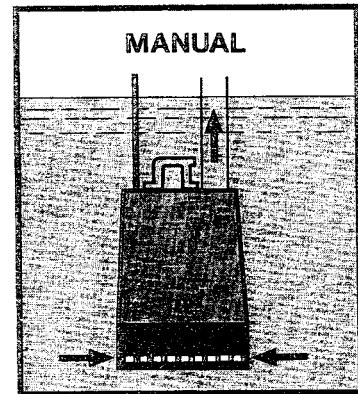
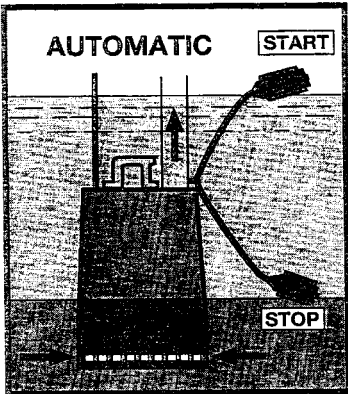


TYPE		W 50 Hz	W 60 Hz	A 230 V 50 Hz	B (mm)	C (mm)	H (mm)	Ø
270	50 Hz							
310	60 Hz	270	310	1,3	155	185	240	Ø M 25
440	50 Hz							
510	60 Hz	440	510	2	160	190	245	Ø M 25
650	50 Hz							
820	60 Hz	650	820	3,2	170	-	272	Ø M 1 1/4
950	50 Hz							
1100	60 Hz	950	1100	4	180	-	390	Ø F 1 1/2





INCORPORATED FLOAT SWITCH
 FLOTTEUR INCORPORE'
 INNEBYGGET FLOTTØRBRYTER
 INBYGGD FLOTTÖRBRYTARE
 EINGEBAUTER SCHWIMMER
 GALLEGGIANTE INCORPORATO



A) GENERAL MANUFACTURING CHARACTERISTICS **PUMPS AT 270W - 440W - 650W - 950W**

ENGLISH

- A1 Single-phase pumps incorporate self-generating thermic protection and are manufactured in accordance with the European regulations EN 60 335 - 2 - 41 (NTR CENELEC - CCA).
 - A2 All pumps have an open impeller and can work completely or partly submerged, providing the suction grid is completely submerged.
 - A3 In cases of continuous service the fluid temperature must not exceed 35°C. All the pumps may be used in clear or dirty water for most domestic applications, possibly to empty: cellars, swimming pools, garages, collection tanks, wash-basins, etc.
 - A4 All electric pumps are manufactured with unoxidising and rust-proof materials.
 - A5 **PUMPS**
270W-440W
650W-950W
- } Triple - sealed to the shaft - open impeller suitable for clear, dirty waters or waters with suspended solids up to Ø max: 5 mm x 270W - 8 mm x 440 W - 10 mm x 650W - 950W. Stainless steel AISI 304 motor casing. The 950W model also has a stainless steel AISI 304 pump casing.
- A6 Hi-Fi LONG LIFE - All pumps are also available as Hi-Fi, Long Life version, designed for heavy duty applications and having a specially coated shaft, special seal-rings for protection against sand and high wear resistant materials.

B) SAFETY RULES

Please read all these instructions carefully for your and everybody's safety. If any instructions are not observed serious injury could arise.

Failure to observe below warnings, tampering of the pump, use uncorrect or other than recommended, relieves the manufacturer of any responsibility in case of damage to persons or animals or things and/or to the electropump, with consequent loss of warranty.

Before pump starting up, it is indispensable for the user to know he is going to handle an electric appliance.

- B1 Do not modify or change in any way the cable and plug supplied.
- B2 Do not remove the earth connection and ensure your supply is correctly earthed.
- B3 The electric installation must be perfectly done. Never connect the pump to faulty supply. Always ensure the supply cable is of sufficient size to start and run the pump. As concerning wiring, please refer to any special national rules.
- B4 Never touch the electrical supply with wet hands.
- B5 Always inspect all cables before use and never use a faulty or damaged cable or socket.
- B6 Avoid damage to all cables, protect from all heat sources.
- B7 Do not use extension leads, run the pump from a correctly installed and protected supply.

C) INSTALLATION AND USE

- C1 Before installation check your pump for damage (transport or any other) and if necessary inform your supplier at once or, anyhow, not beyond 10 days from delivery.
- C2 It is advisable to install the pump about 50-100 mm clear of the bottom of the well/tank to be emptied to prevent mud and stones entering the suction grid.
- C3 The pump must not be used more than 5 meters below the surface of the water (see label).
- C4 It is advisable to use a non-return valve on the pipe work to avoid any water returning to the pump.
- C5 To set the minimum and maximum water level, increase and decrease the float cable length. For manual running fix the float vertically with the cable exit downward.
- C6 Version with an incorporated float switch for use in small diameter holes. The manual or automatic version may be selected via the external switch.
- C7 When using a pump in the manual position stop the pump when all the water has been removed; never allow the pump to run dry.
- C8 To position the pump in the water attach a rope to the handle. NEVER USE THE ELECTRIC CABLE FOR THIS PURPOSE. IT COULD DAMAGE THE CABLE AND CONNECTIONS AND CAUSE SERIOUS INJURY.

- C9 If a pump is used in a permanent installation check it regularly and remove any stones or sand that may be in the impeller.
- C10 Pumps used near swimming-pools, garden ponds, etc. must have H07RNF type cable. When installing the pump you must always comply with the specific safety requirements of the country you are in. Such as the possible compulsory use of **differential leak-power switches, not exceeding 30mA, which offers remarkable advantages for the user's safety.**

D) MAINTENANCE

The range of pumps requires no maintenance other than regular cleaning of the suction grid of the impeller or the replacement of the impeller itself, as directed in the instructions.

- D1 Disconnect the pump from the supply.
- D2 Remove the screws retaining the grid and/or suction body.
- D3 Remove the screw retaining the impeller (seeger or C-clip for the 95OW pump)
- D4 Remove the impeller from the shaft to clean or replace it.
- D5 For the incorporated float switch version remove the float cover and clean it.

MAINS CABLE REPLACEMENT AND ALL THE REPAIRS MUST BE DONE BY EXPERTS OR QUALIFIED PERSONS, ONLY, AND WITH SPECIAL TOOLS.

INCONVENIENTS AND REMEDIES

INCONVENIENTS

The pump will not start

CAUSES

- supply voltage low

REMEDY

- check supply voltage is correct
- insert the plug

- plug not properly connected
- thermal protection has cut out
- faulty motor or capacitor

- wait for the pump to cool down
- replace them

The pump is blocked

- foreign body's in the pump

- clean the inlet grid

The pump runs but will not pump water

- obstructed outlet pipe

- remove and clean it

The pump pumps at a reduced capacity

- low water level
- obstructed suction grid
- obstructed outlet pipe
- worn, faulty or dirty impeller

- submerge pump in water
- remove and clean it

- remove and clean it
- clean or replace it

SPARE PARTS: TO ORDER PARTS PLEASE QUOTE THE PUMP MODEL NUMBER, THE POSITION NUMBER ON THE PARTS DIAGRAM AND THE QUANTITY REQUIRED.

GUARANTEE - Pumps are guaranteed for a period of 12 months from the date of purchase by the end user (please retain proof of purchase), against wrong functioning or faulty materials.

- The guarantee covers only repair or replacement of the faulty parts only if done in our factory.
- The guarantee does not cover any repayment for possible direct or indirect damage. It does not cover the cost of packaging and delivery, which will be for the customer charge. The company will not be held responsible for any 3rd party claims for damage caused by pump failure.
- The guarantee does not cover: normal wear and tear in use, such as bearings and seals, damage as a result of customer abuse or failure to observe the correct operating instruction such as, inappropriate maintenance, running at voltage different from the one indicated, running dry, use of liquids different from those indicated, damage caused by freezing, crashes and carelessness.
- The guarantee is void if the pump is opened, modified or precariously repaired by an un-authorized agent, unless written authority has been obtained from the factory.
- Any repair using new parts will not extend the guarantee covering materials used in construction.
- Any labour, transport, parts or repair charges incurred by the factory for un-authorized repairs will be re-claimed from the customer.

IMPORTANT

The guarantee is valid only if the pump is returned with filled proof of purchase and carriage paid.