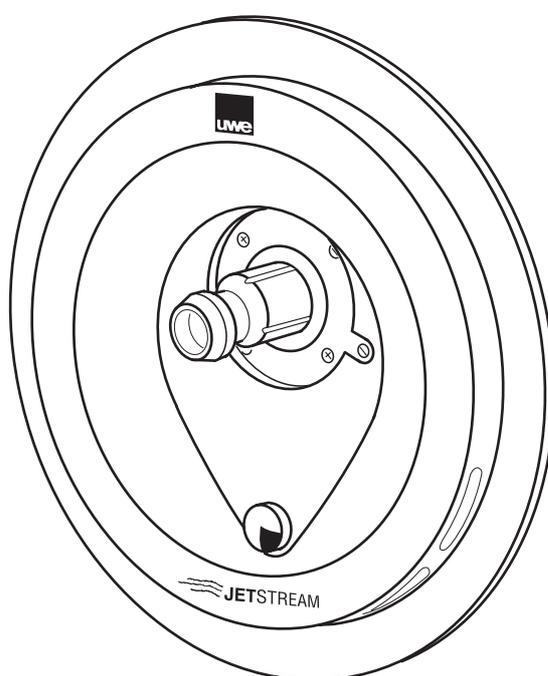


INSTALLATION AND OPERATING INSTRUCTIONS



EuroJet



J e t S t r e a m





Preface

Your unit has been built in accordance with the latest state of the art, and is safe. However, the unit can be dangerous if it is operated by persons who have not received the necessary training or instruction, or if it is used improperly. Therefore, everyone entrusted with the task of installing the unit, setting it into operation, operating, maintaining and repairing it, must read and understand the Operating Instructions and - especially - the Safety Instructions. Before using the unit for the first time, you and/or your personnel should definitely receive instructions from the specialist consultant. If, contrary to expectations, technical defects occur in your unit, please contact the customer service department or your dealer.

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1 SAFETY INSTRUCTIONS

1.1 Before Setting into Operation

Before installation and setting into operation, the Safety Instructions and the Operating Instructions must be carefully read and observed. You must definitely comply with the requirements of the uwe company and of the standards authorities.

1.2 Setting the Unit into Operation for the First Time

Before the unit is set into operation, the local safety regulations and the Safety Instructions must always be complied with.

1.3 Sources of Danger

Warning!

The JETSTREAM system forces up to 700 litres of water per minute into the pool through the nozzle. If all of this enormous force is used for massage, it can cause injuries to muscles and to connective tissue, as well as internal injuries. Because of the reduced electrical resistance of the human body in swimming pools and the resulting increased probability of the occurrence of dangerous currents in the body, increased safety requirements are imposed on the electrical installation.



Therefore, you must definitely observe the following Safety Instructions:

The JETSTREAM has substantial power. Before massage, you must definitely reduce the pressure.

Do not utilize full thrust against soft parts of the body.

Switch off pump before adjusting angle of nozzle.

For large-area massage, reduce the strength to half thrust.

In order to attach and detach the massage fitting switch off the pump.

To massage a single part of the body, grip the massage hose firmly. When using the hose keep a distance to those parts of the body that require massaging.

Do not approach the suction filter with long hair unless tied back.

Before putting the massage hose on or taking it off, switch off the pump.

For point massage, hold the nozzle of the massage hose firmly in your hand under water. Guide the nozzle of the massage hose over the required places but at some distance from them.

Do not dive to the intake screen (if there is one) with long, unrestrained hair.

For requirements regarding the appropriate electrical installation, please see „Information for the Electrician“, as per part 7. Parts of the equipment that contain electrically live parts must be inaccessible to persons using the pool. Units and unit parts containing electrical components must be installed or fixed in such a way that they cannot fall into the water. Units of enclosure class I must be permanently connected to permanently laid cables.

1.4 Proper Operation

All units are intended solely for operation in covered swimming pools and in open-air swimming pools with a water temperature up to 35°C. The units are suitable for installing and operating in installations and rooms in areas 1 and 2 as per EN-60335-2-41. The pump is normally installed in the walkway behind the pool wall, but it must be ensured that the environment is dry and that the motor is protected by a suitably sized floor drain to prevent flooding. The control panel should be installed either in a dry walkway or in an adjacent room, if possible higher than the water level. Any kind of use other than the intended use is improper. The manufacturer will not accept liability for any damage or injury resulting from improper operation; the user alone must bear this risk. Proper operation also includes compliance with the operating, maintenance and repair conditions specified by the manufacturer. Maintenance work, repair work and suchlike may only be performed by authorised persons. The units may only be used by persons who are familiar with them and who have been informed about the dangers. The relevant regulations for the prevention of accidents and the other generally recognised rules relating to safety and to occupational medicine must be complied with. If unauthorised modifications are made on the units, the manufacturer will not accept liability for any resulting damage or injury.

1.5 Product Liability

The user's attention is expressly drawn to the fact that the unit may only be operated in the proper manner. If it is operated in an improper manner, the user must bear sole responsibility. In such cases, therefore, the manufacturer cannot accept any liability.

1.6 Procedure in an Emergency

Leave the water immediately, switch off the electrical supply to the unit by operating the main power switch or circuit-breaker, and secure the unit to prevent it from being switched on again without authorisation.

1.7 Explanation of the Danger Symbols



Warning!

In these Operating Instructions, we have used this symbol to mark all texts which relate to your safety. Please pass all safety instructions on to other users too.



In these Operating Instructions, we have used this symbol to mark all texts containing instructions that are necessary for functional reasons. Please be sure to obey these instructions in order to avoid damage to the unit.

2 INSTALLING THE WALL NICHE IN CONCRETE SHUTTERED POOLS

Installation (fig. 1)



Position the wall niche ensuring that the read label "Oben" (top) is on top.

Function

Viewed from inside the pool, the suction duct is on the vertical middle axis above the center of the housing, the pressure duct at the bottom on the right side.

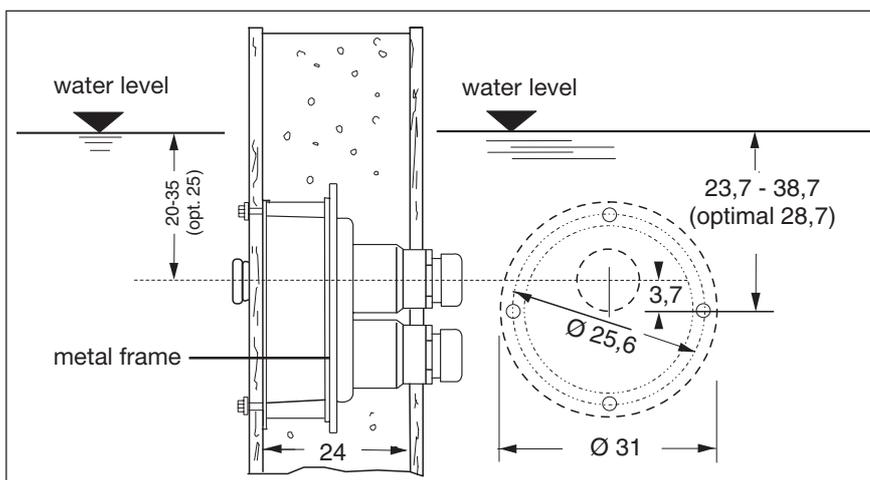
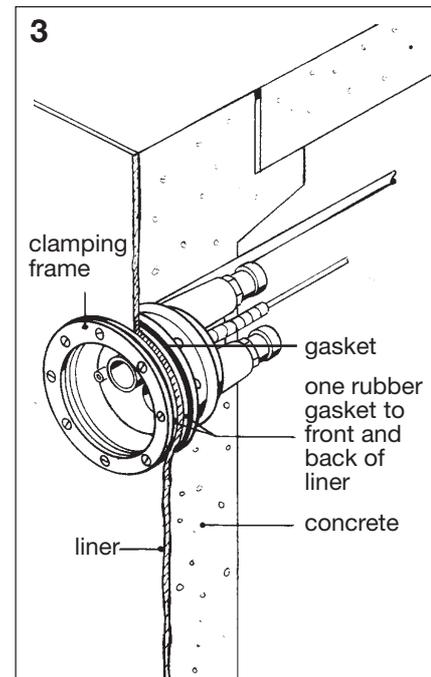
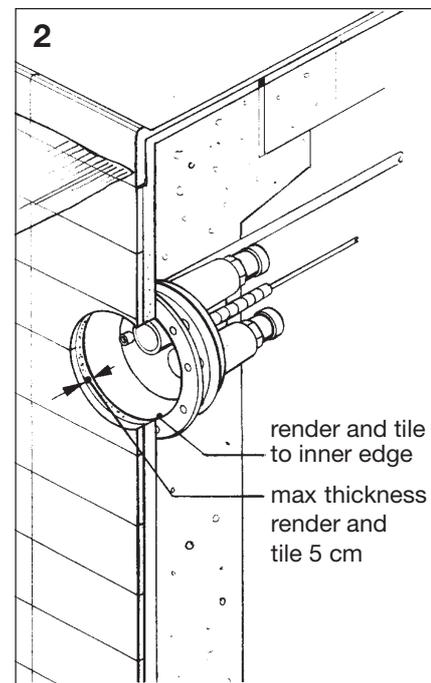
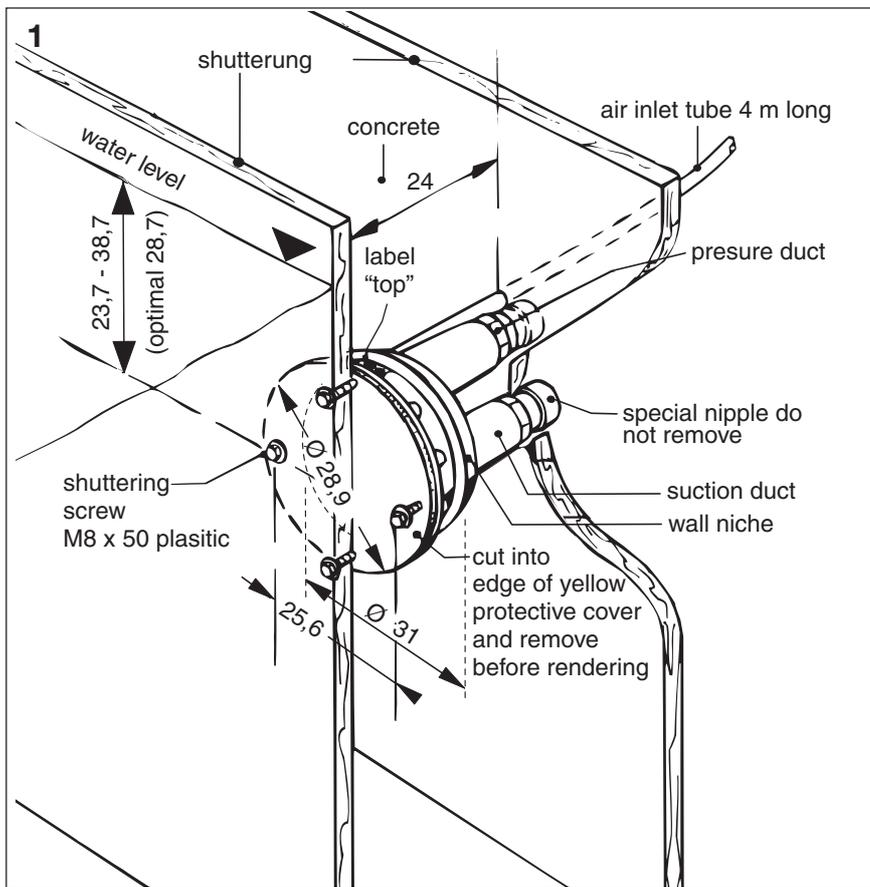
The front of the wall niche must be set flush with the face of the wall concrete. In case of a liner/concrete pool, the wall niche may project in order to compensate for the cement render of liner insulation thickness. It is advisable to make provision for protecting tube by placing in protective conduit or through adjacent cable/ventilation ducts.

- **Tile plan (fig. 2)**

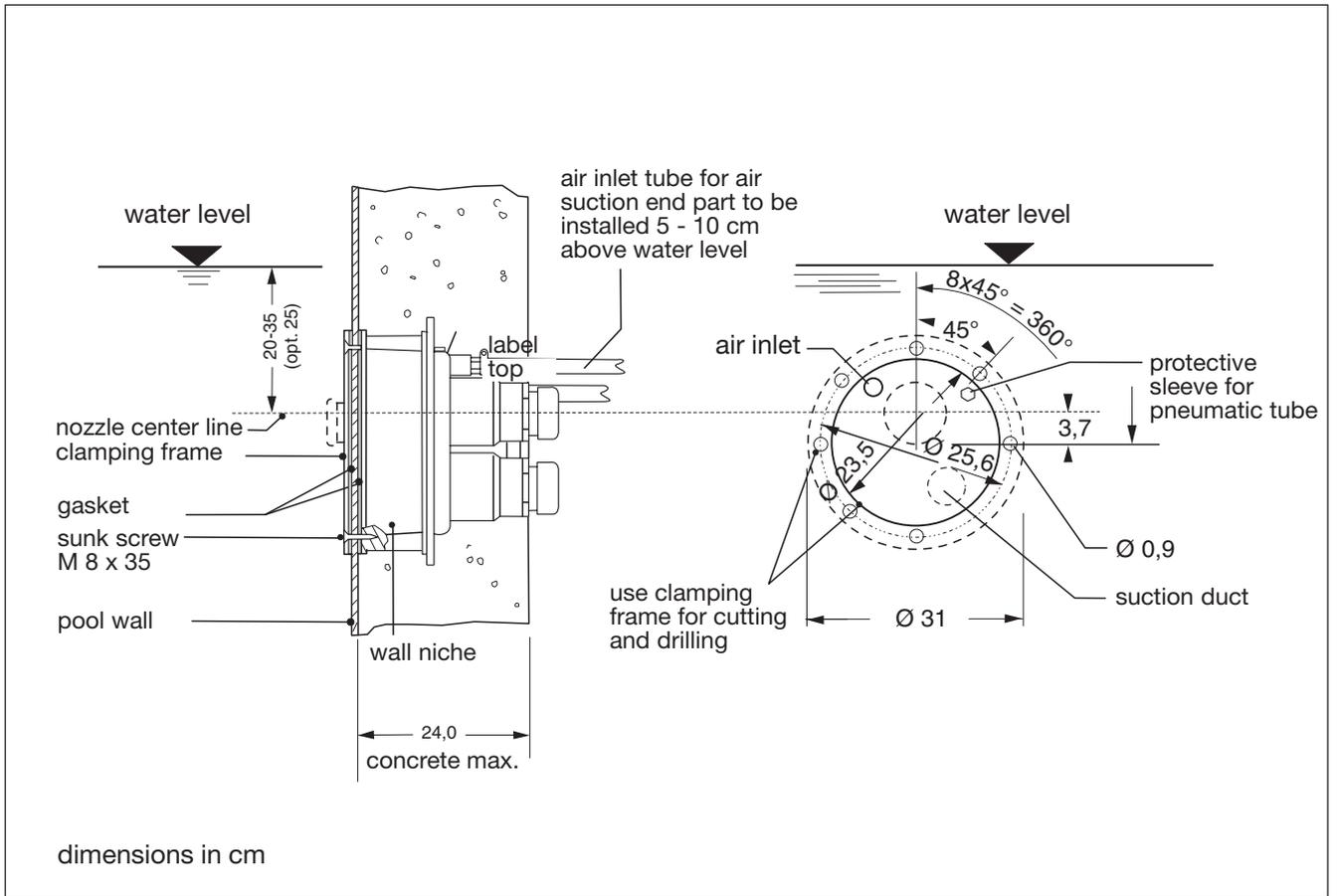
Render and tile to inner edge of wall niche.

- **Pools with plastic liner (fig.3)**

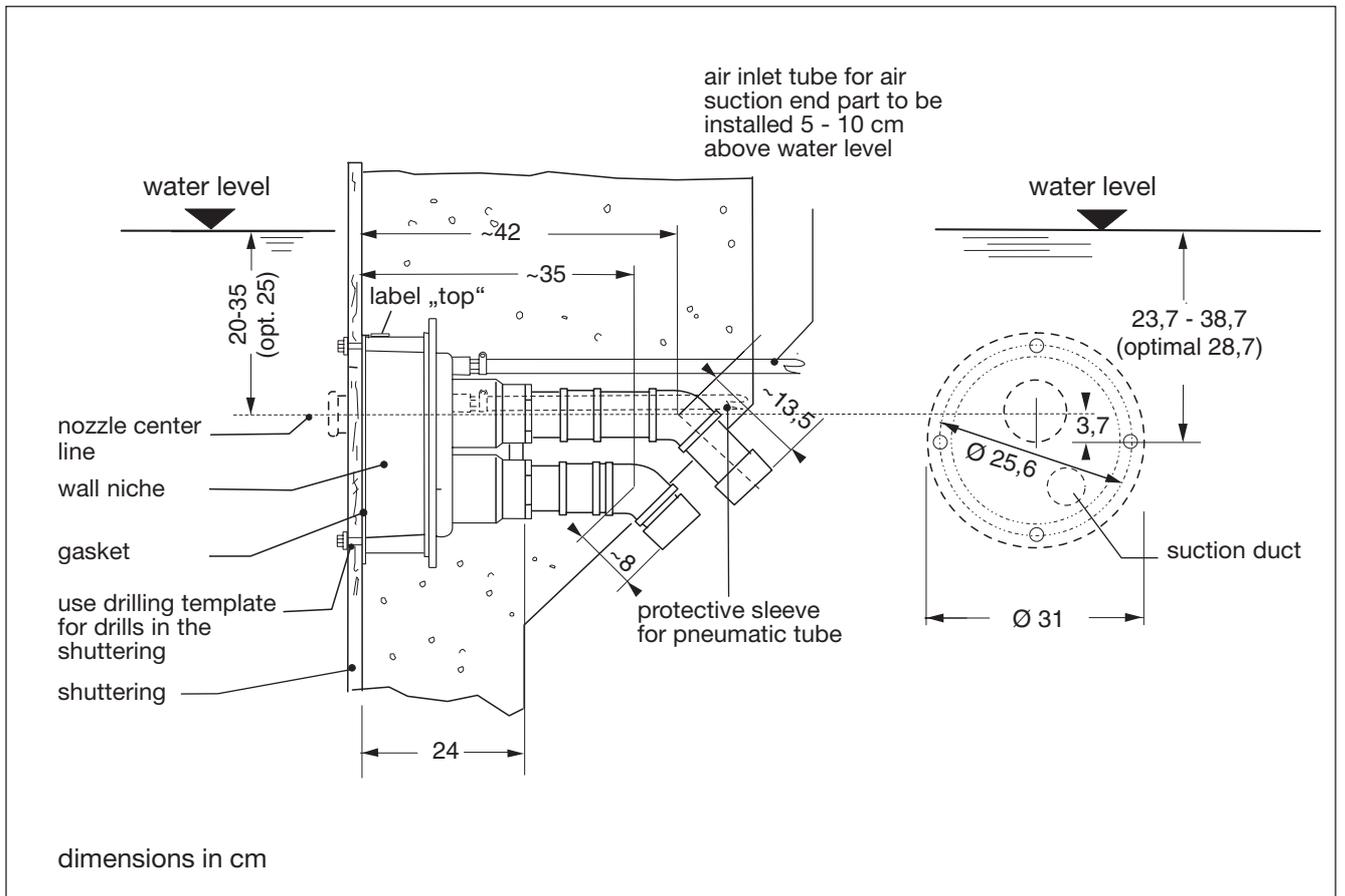
Proceed as shown in fig. 3



Installing the wall niche in steel, aluminium and polyester pools



Installing the wall niche in deck level pools with overflow channel



3 FINAL ASSEMBLY INSTRUCCIONES

INSTRUCCIONES FOR AUTHORIZED PERSONS ONLY

Before installation

The safety instructions must be read carefully before installation. You must definitely fulfil the requirements stated by the **uwe** company and by the standards authorities. If the instructions are not observed, the installation engineer shall bear the sole responsibility. The manufacturer shall thus be absolved of any liability.

Installing the nozzle assembly (fig.1)

1. Unscrew gland nut (10) and remove blank plastic washer. Leave rubber sealing washer (13) in housing.
2. Thread free end of the 10 m length of PVC pneumatic tube (12) through the gland aperture from within the pool.
3. On the pneumatic switch assembly (3) is a short length of pneumatic tube (12). Thread this through the gland nut (10) and fix it to end of the tube connector (11) showing inside the pool. Tighten gland nut (10).
4. Insert 5 disks from white plastic disk (9) on the ground of the jet-casing (15). After that insert seal (8) and one of the clamping disk (7) inside. Then put down the nozzle (6) and the clamping disk (5). The clamping disk (5) is fortified on the nozzle with 4 screws (4). If the nozzle wouldn't be steered into several directions you have to put out 1 of the plastic disk (9)
5. The face plate (2) will be attract with the 2 Screws (1) easily.

Installing the pump, suction and pressure hoses with PVC-fittings

If the pump is to be installed on a console/mounting bracket, supplied as an optional extra, it should be fitted to the pool wall beforehand with concrete wall fixings. The pump should be secured with anti-vibration mountings. Alternatively, the pump should be secured with appropriate fixings on a concrete plinth. Stick the suction - and pressure hose with „TANGIT “into the transition joint of the wallfitting. After the splicing, the ball-valves should be open and closed like picture 4.



Function

Important: be careful if you stuck together suction - and pressure hose correctly. (Arrow on the ball-valves signed on Picture 4).



Warning

Do not forget to insert the gasket between hose nipple and pump nipple.

Tighten the pump base with fixing bolts or anti-vibration mountings.



Warning

Important note:

The pump is normally installed in the walkway behind the pool wall.

The installation environment must be dry and must be protected by a suitably sized floor drain to prevent flooding.

Installing the air inlet fittings (fig.5)

Insert the non return valve into the end of the air inlet tube. Fix the clip (17) to the pool wall in such a way that the opening of the air inlet fitting (16) is at least 5 cm above the maximum water level of the pool. Push the tube over the straight connector of the valve. Secure the tube with the pipe clamp.



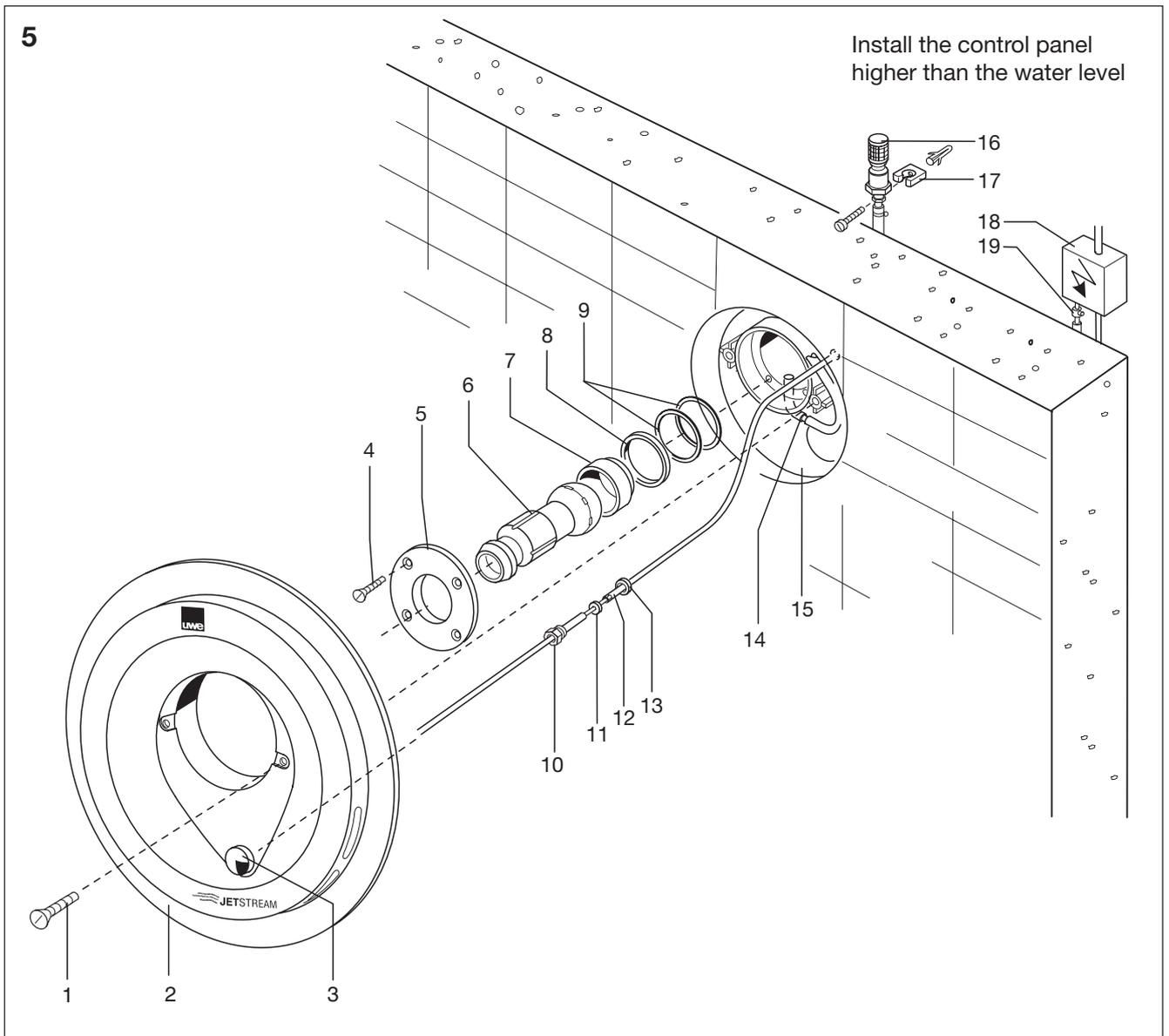
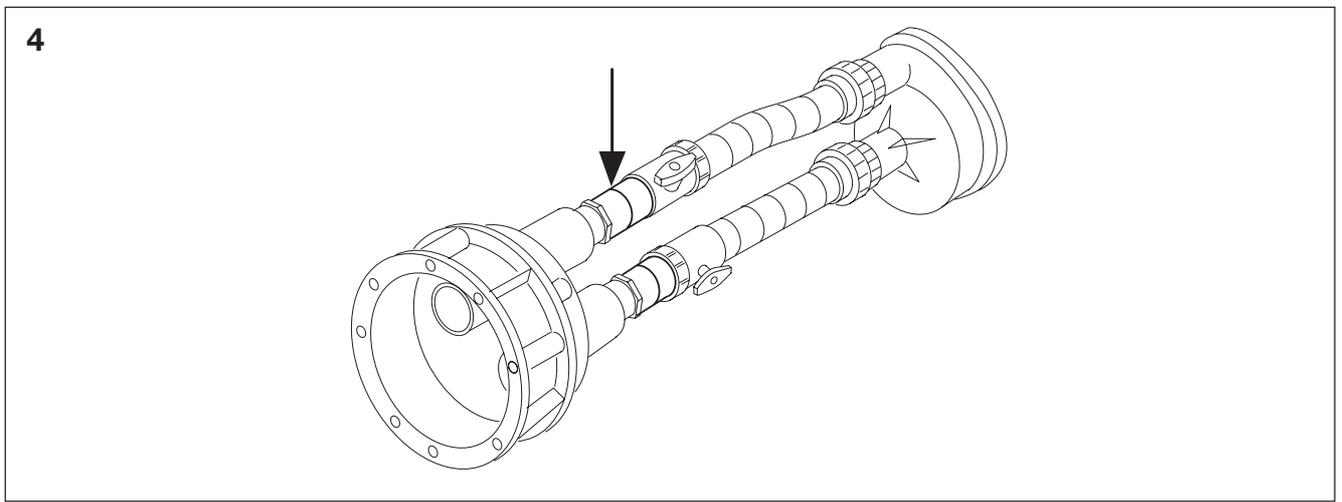
Warning

Note:

The purpose of the non return valve is to absorb back pressure generated by use of the massage attachments, and to prevent water spraying out of the air inlet fitting. The valve will only function properly as long as no hair/debris or lime deposit accumulates within it.

Therefore the valve has to be fixed above water level.

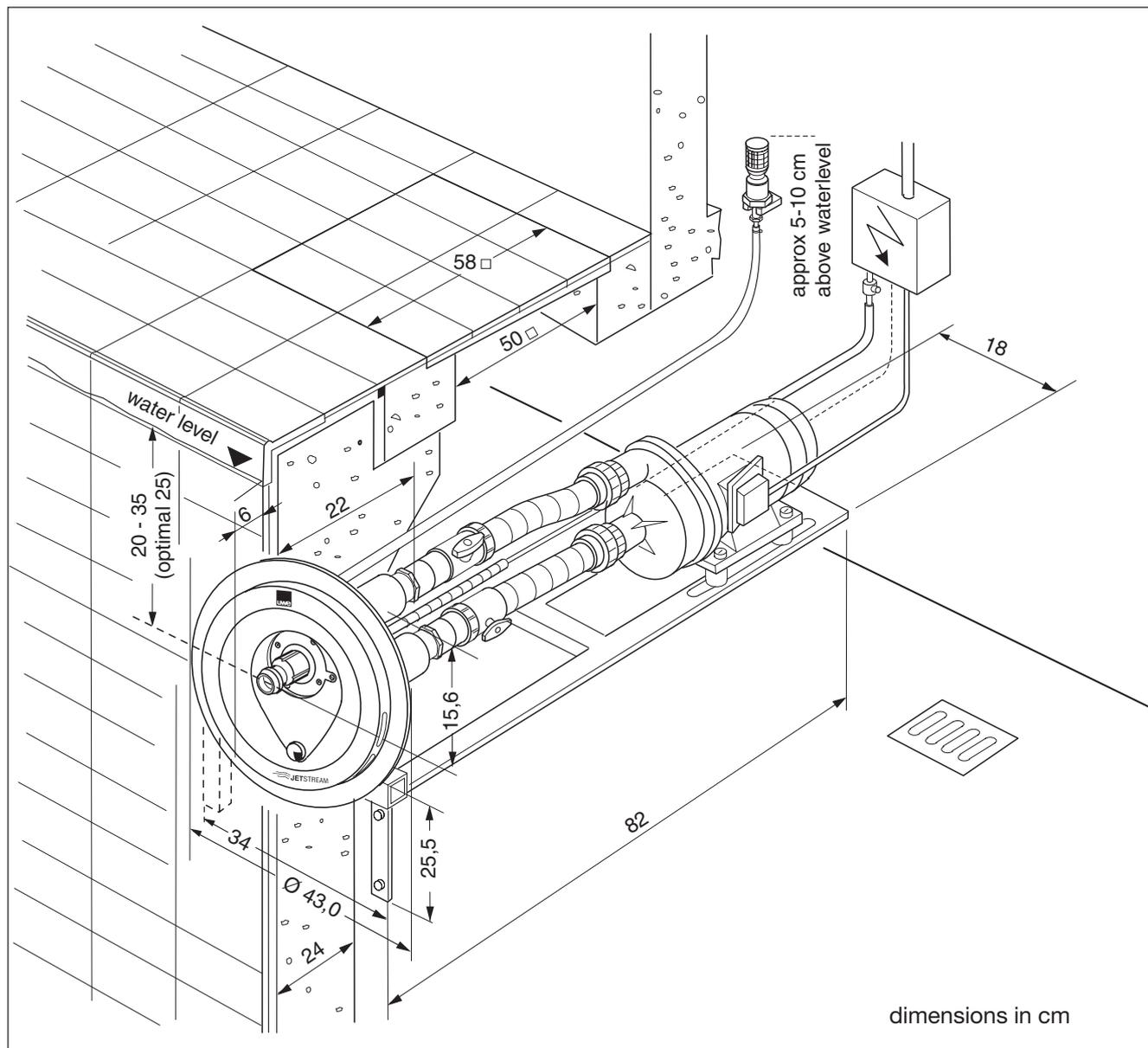
Shorten the air inlet tube if it is longer as necessary. The shorter the tube, the lesser the resistance and the higher the volume of air flow.



Mounting the control panel

The control panel must not be installed in a chamber. It should be accommodated either in a dry walkway behind the pool wall or in an adjacent room. The connection must be effected carefully in accordance with EN 60335-2-41. Connection to the power supply is effected by means of a 5 x 2,5 mm² (3N PE 400V) cable or a 4 x 2,5 mm² (3 PE 230 V) cable. Both a power switch, with which the unit can be isolated from the power supply on all poles, and an earth leakage circuit breaker (R.C.C.B.) should be provided in this cable (see: "Information for the Electrician"). Plug the 10 m length of the PVC tube coming from the wall niche, onto the free nipple of the "T" connector (19) outside the control panel (18).

JetStream EuroJet Installation in concrete pools



4 OPERATION / INFORMATION FOR THE USER OF THE UNIT

4.1 Before starting

Safety precautions and operating instructions must be carefully read and observed before setting up and operating.

4.2. First time operation

Before operating, local safety requirements must be met and safety precautions must be observed.



Warning

Before operating the unit for the first time, rotate the pump by hand several times at the ventilating fan in the direction shown.

Do not set a defective unit into operation.

Display the Safety Instructions in a clearly visible manner.

Keep the Operating Instructions available.

The water temperature must not exceed 35°C.

4.3 Starting the unit



Before swivelling the nozzle, switch off the pump.

When you press the pneumatic button (1), this switches the unit ON or OFF. When using a separate waterproof switch for remote control the unit can also be operated from outside the pool. The nozzle (6) can be swivelled in any direction within a cone of about 30°.



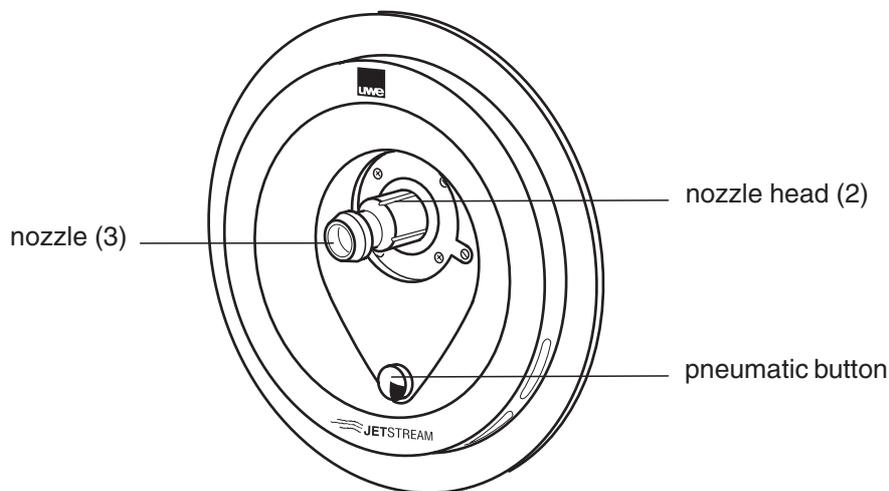
Before swivelling the nozzle, you must definitely switch the unit off.

4.4 Strength of the jet



The JETSTREAM has considerable energy, therefore reduce the setting!

The strength of the jet is reduced by turning the nozzle head (3) clockwise. Note that a small flow will always occur thus preventing damage to the pump.



4.5 Massage



Before massage, you must definitely reduce the jet pressure.

Do not utilize full thrust against soft parts of the body

For large-area massage, reduce the strength to half thrust

In order to attach and detach the massage fitting switch off the pump

For point massage, hold the nozzle of the massage hose firmly in your hand under water. Guide the nozzle of the massage hose over the required places but at some distance from them.

• Massage hose



When you wish to put the massage hose on or take it off, you must first switch off the JETSTREAM equipment.

Put the massage hose onto the nozzle (2) and secure it with the aid of the movable ring. To take the massage hose off, hold the hose with one hand, and with the other hand release the movable ring by moving it towards the hose. You can now pull the hose off the nozzle.

• Spot massage

For specific massage of particular parts of the body and muscles, use the massage hose with the little nozzle. When doing so, hold the nozzle of the hose firmly in your hand under water, and guide the nozzle over the required place but at some distance from it. The shorter the distance between the nozzle and the part of the body that is to be massaged, the stronger the massage pressure.

- **Back massage**

Massaging the back by means of the massage hose without the assistance of another person is very difficult. Therefore, use the special nozzle for back massage; you attach this to the jet nozzle in the same way as you attach the massage hose. Position yourself with your back to the nozzle. The shorter the distance between the nozzle and your back, the stronger the massage.

- **Before massage, you must definitely reduce the jet pressure.**

- **Surface massage**

Reduce the jet to half strength. Simply position yourself directly in front of the nozzle. The broad pressure-jet powerfully massages your skin, the tissue beneath it, and your muscles. This promotes the circulation of the blood, loosens you up and relaxes you.

4.6 Swimming against the Current

Select maximum flow and the jet direction so that the layer of water just under the surface is made to flow strongly, without excessive effervescence being visible on the water surface.

4.7 Winterization

If the unit is installed in a pool where there is a danger of frost, the water level has to be reduced to the lowest point of the front plate. Close the valve on the suction side, then unscrew the discharging screw at the underside of the pump.



Warning

Do not screw the discharging screw in again after having emptied the pump.

4.8 Again- operation

Before putting into operation again, screw in the discharging screw, open valves and fill the pool. Before switching on, rotate the pump by hand several times at the ventilating fan in the direction shown.

5 SERVICE



Warning

Operate the unit only in perfect condition. Take care to have it regularly checked and serviced. When repairing or bringing into operation again, ensure that tampering has not occurred.

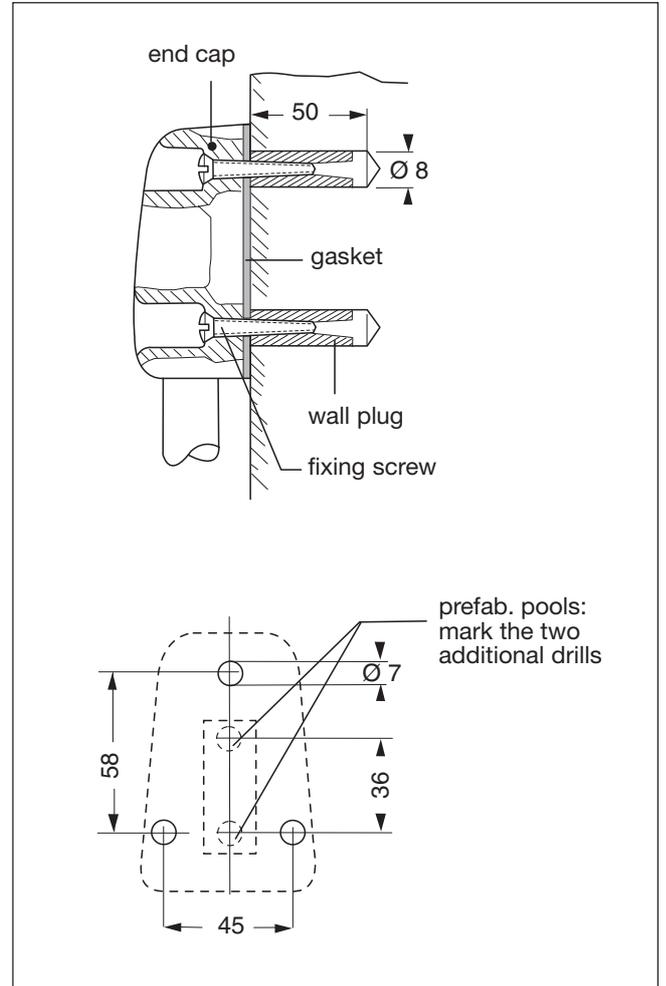
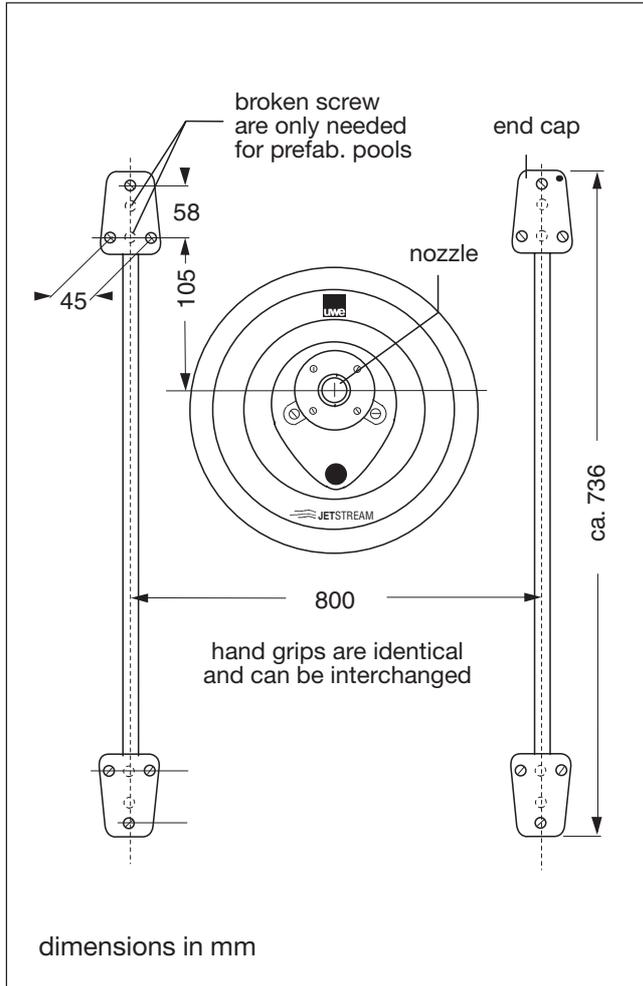
The unit is only to be serviced by authorized persons. Do not conduct any work which might have impair on the safety of the unit. Only buy original spares from your dealer or uwe.

6 FITTING INSTRUCTIONS FOR HANDGRIPS

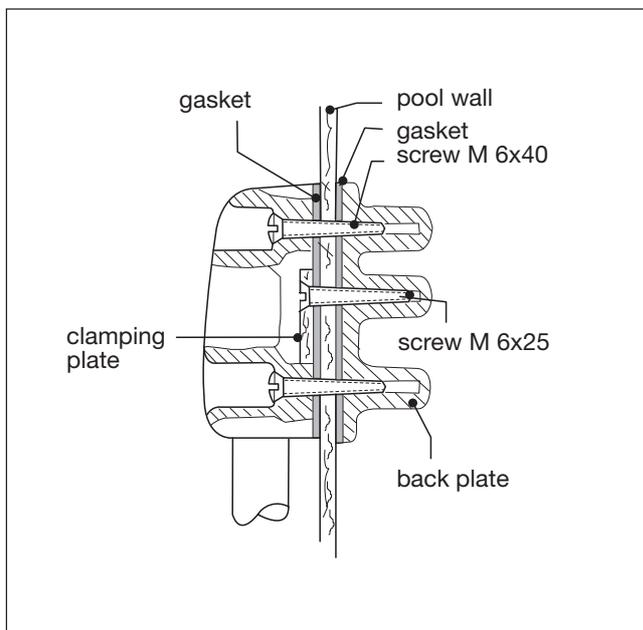
Mounting:

1. Fix upper end cap to pool wall as shown.
2. Pull down lower cap to straighten rope.
3. Drill holes for lower cap and screw into position.

Fitting in concrete shuttered pools



Fitting in steel, aluminium or polyester pools



7 INFORMATION FOR THE ELECTRICIAN

7.1 Notes about connection of the pool pumps JETSTREAM COCO 2,5 kW and COCO 3,5 kW (version without illumination) for three-phase 3 N ~ 400 V 50 Hz



This affects your safety!

Therefore, perform all work carefully in accordance with the regulations EN-60335-2-41. You must definitely observe the safety instructions and the requirements stated by the standards authorities.

All work on the pool pump may be performed only by firms having authorisation from the uwe company, or by trained electrical experts. The EN regulations and the relevant accident prevention regulations must be observed in all work where voltage is present.



Important notes!

1 Connection to the indoor wiring

For the connection of the 400 V 3N AC 50 Hz (three-phase) electrical supply to the control panel and motor, a conductor cross-section of at least 5 x 2.5 mm² CU is necessary (pay attention to the length of the cable). An all-pole isolating switch with 3 mm contact must be provided in the mains cable.

2 Safety precautions

To prevent shock-hazard voltage, the unit must be made safe by protective grounding as per EN-60335-2-41 and by installing a 30 mA earth leakage circuit breaker (R.C.C.B.). Furthermore, the motor must be connected as per EN-60335-2-41 to the potential equalisation system.

3 Fusing

For 400 V: 16 A slow-blow fuses, or 16 A automatic circuit-breakers. Pay attention to cable length and voltage drop.

For 230 V: 16 A slow-blow fuses, or 16 A automatic circuit-breakers. Pay attention to cable length and voltage drop.

4 Power consumption

The maximum power consumption of the pump units at a nominal voltage of 400 V 3N AC 50 Hz is as follows:

COCO	2,5 kW bzw. 3,5 kW
BAMBO2, BAMBO, VIVA, LIBRA 3-5, LIDO, LIDO2	3,5 kW
EuroJet	1,7 kW bzw. 3,2 kW (1N PE ~ 230 V 50 Hz)

5 Motor protection

The necessary switching and safety elements are accommodated in the control panel, and so there is no need for any additional motor protection. Please check whether the overcurrent relay is adjusted to suit the rated current of the motor.

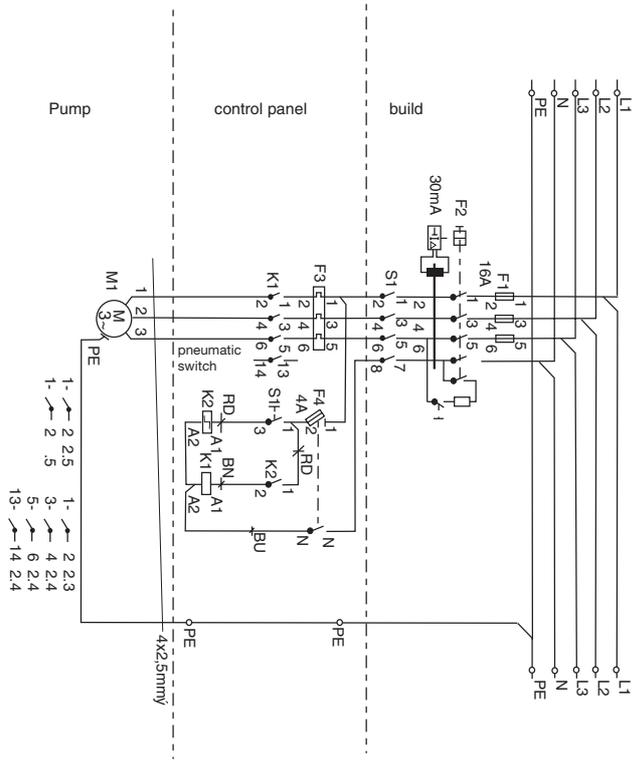
6 Direction of rotation

Please check the direction of rotation. To do this, observe the direction-of-rotation arrow on the pump. To check the direction of rotation in the dry-running state, switch the pump on for 2 - 3 seconds only, in order to prevent damage to the rotating mechanical seal. If the direction of rotation is wrong, the flow speed is much lower, and furthermore the drive motor takes a higher current, and so the overcurrent relay might respond. If the direction of rotation is wrong, two phase-wires of the mains cable should be interchanged by an electrical expert.

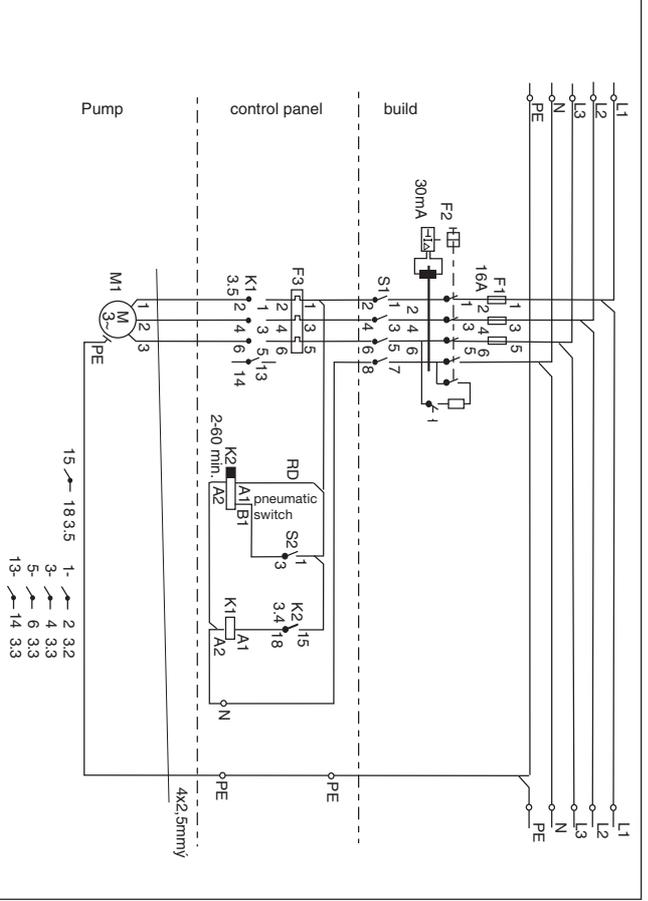
Installing the control panel

Install the control panel in a dry environment, on an internal wall and higher than the water level. Open the control panel by means of the key supplied. Lead the wires into the control panel through the glands, and connect the wires in accordance with the wiring diagram. Tighten the glands.

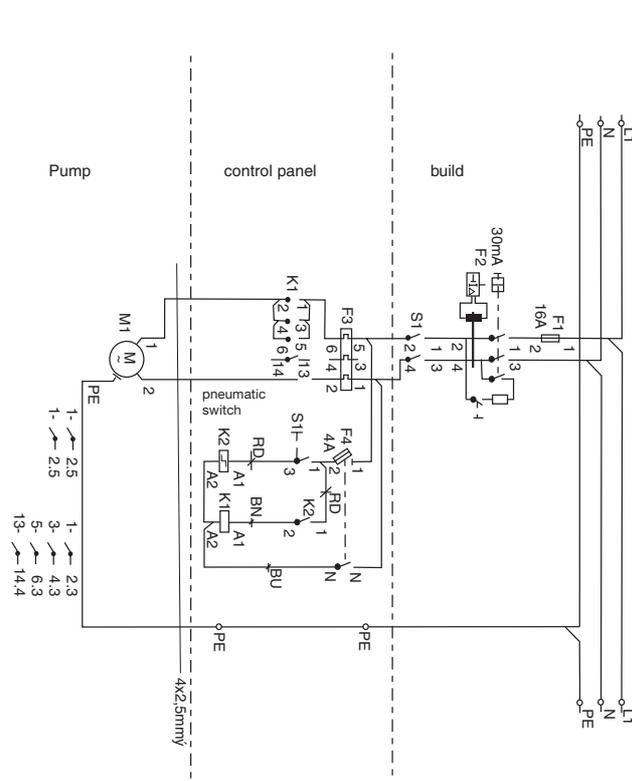
Wiring diagram for JETSTREAM EuroJet, BAMBO2, BAMBO, COCO (versions without illumination), JUNO, LIBRA 3-5, LIDO, LIDO 2, VIVA with pneumatic switch 3N ~ PE 400 V



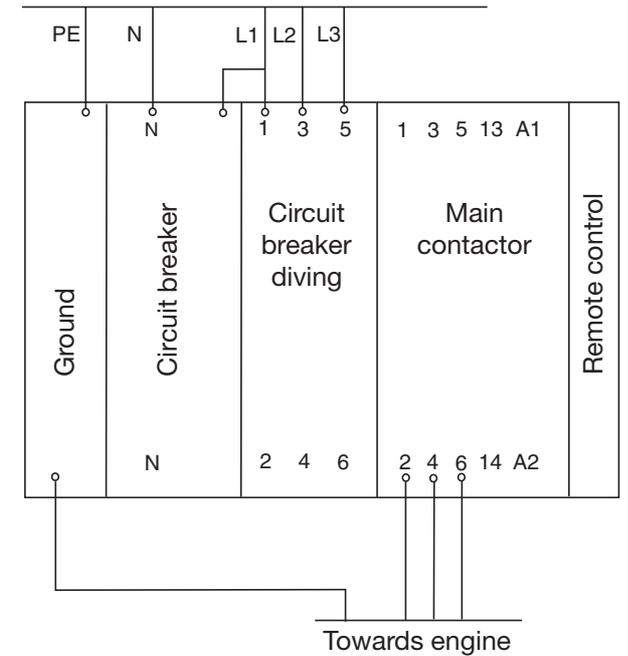
Wiring diagram for JETSTREAM, EuroJet, BAMBO2, BAMBO, COCO (versions without illumination), JUNO, LIBRA 3-5, LIDO, LIDO 2, VIVA with pneumatic switch and time relay 3N ~ PE 400 V



Wiring diagram for JETSTREAM, EuroJet, BAMBO2, BAMBO, COCO (versions without illumination), JUNO, LIBRA 3-5, LIDO, LIDO 2, VIVA with pneumatic switch and token box 3N ~ PE 400 V



Electric cable 380 V 3N~PE



cut the general electric connection before opening the electric control box.