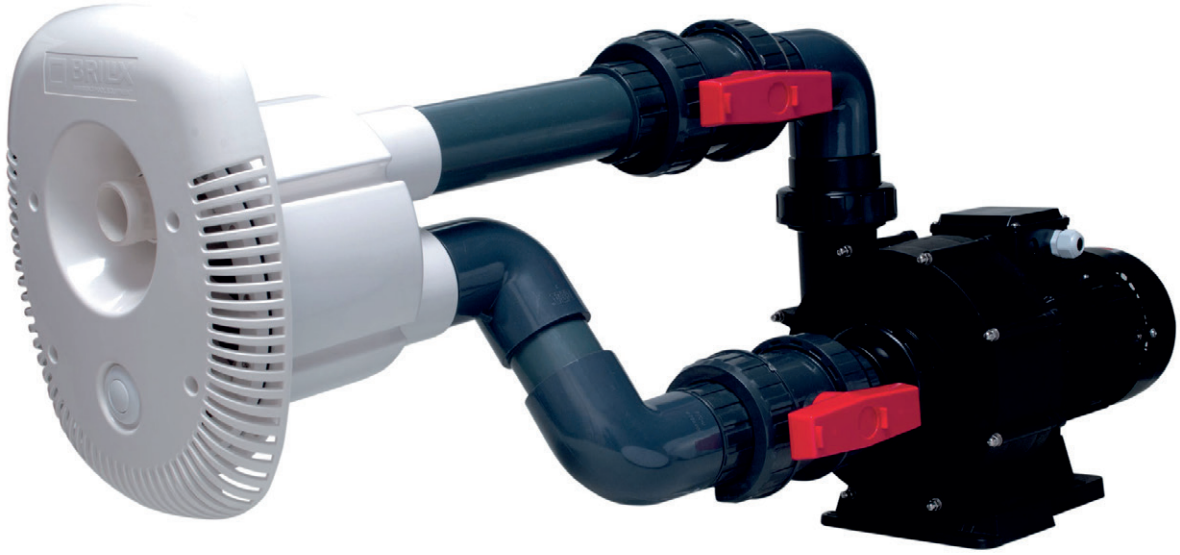
SWIM JET
ELEGANCE 70/80/95



INSTALLATION AND USER GUIDE

ALBIXON

23. 01. 2025

EN

Contents

Thank you for choosing our product and trusting our company. To help you to get the maximum benefit from using this product, please read these instructions carefully before use and strictly follow the user´s manual to prevent damage to the device or unnecessary injuries.

Placing the device

1.

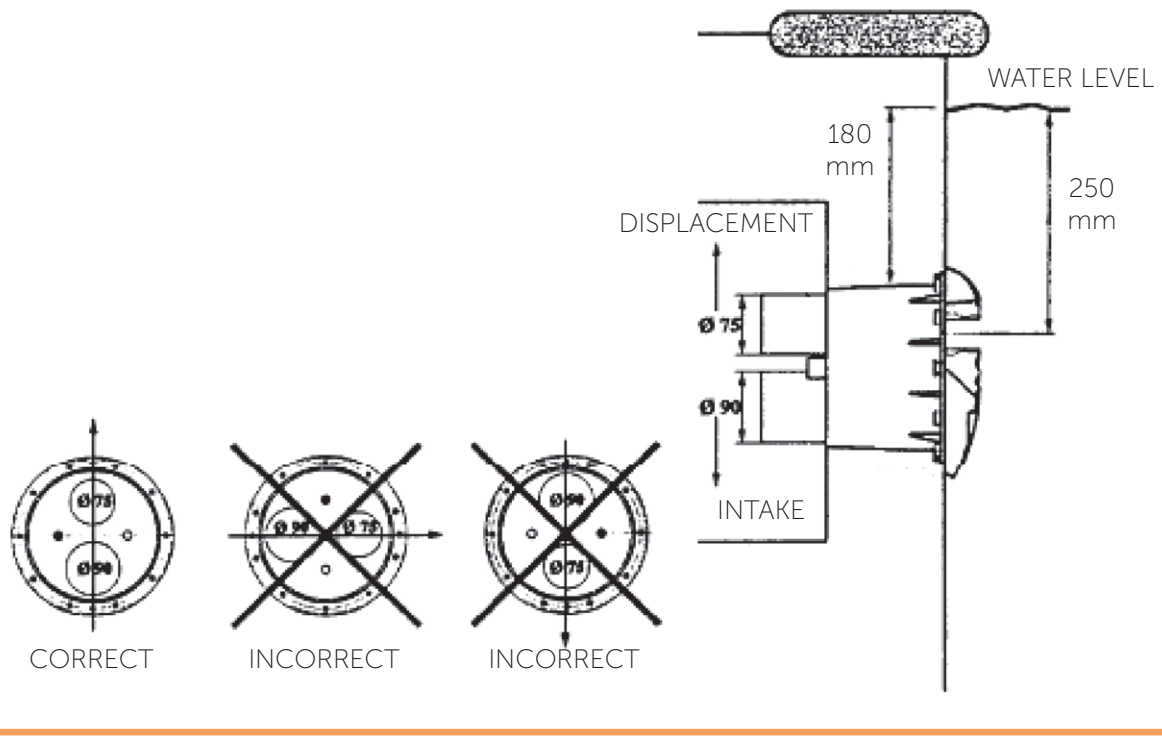
By purchasing the ELEGANCE swim jet device, you have obtained a high-quality product that will help you to enjoy the time spent in your pool.
The electric pump should be installed as close as possible to the pool in order to achieve the maximum performance and to reduce loss caused by friction. The original diameters of the accessories from PVC delivered with the installation should comply with safety regulations and zones of minimum distances of electrical appliances from the water surface - a zone of 3.5 m at least!
Pump which is a part of this device don't have a self-suction function. It is necessary to install it under the water level. The technology device area must be aired sufficiently, use a fan if needed, to prevent water condensation. You can ensure the correct functioning of the device by respecting these instructions.

Mounting the jet stream body

2.

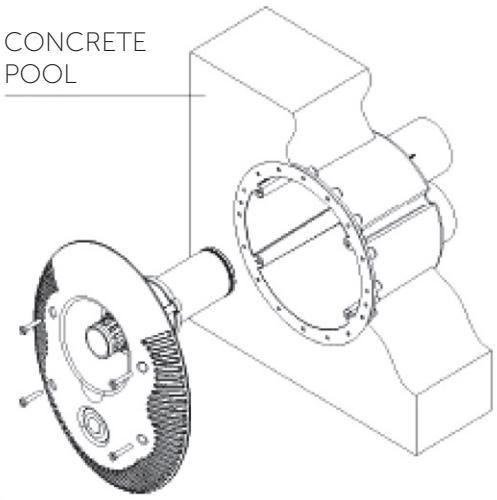
During the installation of the swim jet body, please bear in mind that it must be placed in the position indicated in picture 1. Displacement of a 75mm diameter and a suction of a 90mm diameter must be installed in the vertical position so that the side of the displacement is higher than the side of the suction (90 mm diameter) (see pic. 1). The swim jet device must be placed so that the centre of the jet will be approximately 250 mm under the surface of the water (see pic. 1). The start of the cut out for the swim jet plastic body should be 180 mm from the future water level. At this height the center of the nozzle will be 250 mm below the surface. You must follow and adhere to these instructions and correctly mount the device to ensure that it operates correctly.

PIC. 1



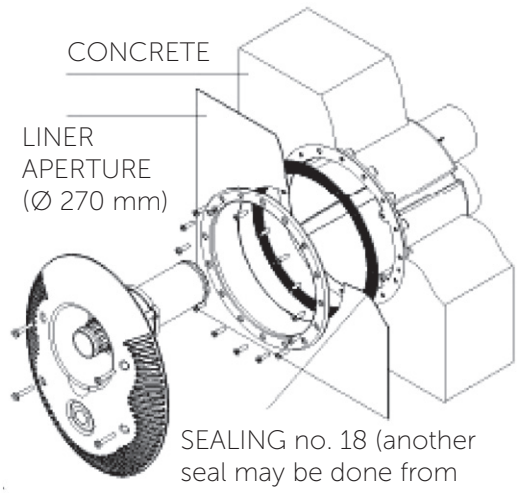
PIC. 2a

INSTALLATION IN CONCRETE SWIMMING POOLS



PIC. 2b

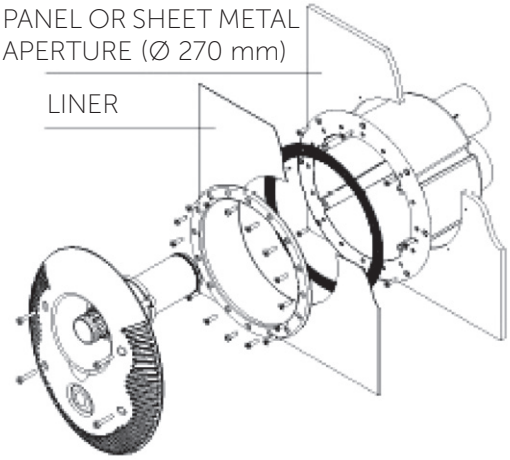
INSTALLATION IN CONCRETE SWIMMING POOLS WITH LINER



SEALING no. 18 (another seal may be done from the other side of the liner)

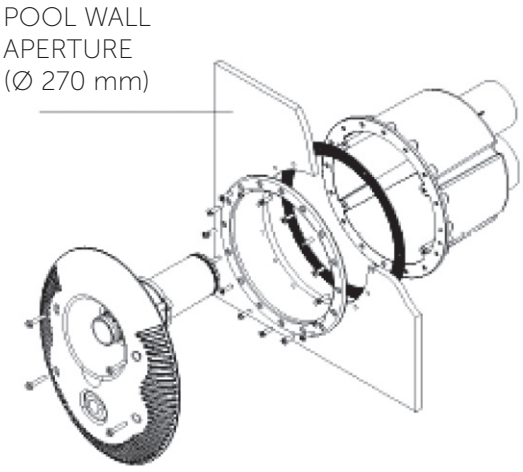
PIC. 2c

INSTALLATION IN PANEL OR SHEET METAL SWIMMING POOLS WITH LINER



PIC. 2d

INSTALLATION IN PREFABRICATED (LAMINATE OR POLYPROPYLENE) SWIMMING POOL



Installing the swim jet body

3.

3.1 Installing the swim jet body in concrete

Stick hoses (no. 21 pic. 3) on the swim jet body (no. 20 pic. 3) and connect them into the technology device area (pit). Protect the hose endings against the concrete. Carry out the swim jet body installation (no. 20 pic. 3) as indicated in pic. 2a into the hole made in the concrete wall or into the formwork for concreting without a flange or sealing. When the body is fixed to the wall, follow the instructions in section 4 and install the pneumatic and air connections.

3.2 Installation of swim jet device body in concrete pools with liner

While mounting the swim jet body into the walls of a concrete pool with liner, please follow the instructions written in chapter no. 2 and 3. You can start mounting the sealing and the swim jet flange (pic. 2b) into the pool after fixing the swim jet body onto the wall of the pool. 2b.
Tighten the sealing (no. 18 in pic. 3) into the swim jet body (no. 20 in pic. 3) with 2 screws (no. 19 in pic. 3) and bear in mind that the pool liner can be situated between two seals (pic. 2b). Finally, fix the flange (no. 17 in pic. 3) and tighten the screws (no. 16 in pic. 3), after this step is done, cut the liner from the inside part of the flange. During the installation of the air and pneumatic lines, follow the procedure in article 4.

3.3 Installation of swim jet device body in panel or sheet metal pools with liner

Prepare the opening of 270 mm diameter in the wall pool so that the centre of the jet is approximately 30cm under the water level as described in the article 2 (pic. 1). Place the swim jet body (no. 20 in pic. 3) from the inside part of the pool into the prepared opening. Fix the body with 8 self-drilling screws (no. 19 in pic. 3) into the wall of the pool as described in pic. 2c. Tighten the sealing (no. 18 in pic. 3) to the swim jet body (no. 20 in pic. 3) with 2 screws (no. 19 in pic. 3). After the installation of the liner, fix the flange (no. 17 in pic. 3) and tighten the screws (no. 16 in pic. 3), then cut the liner from the inside part of the flange. During the installation of the air and pneumatic lines, follow the procedure in article 4.

3.4 Installation of the swim jet body to the preformed (polypropylene) pool

Prepare the opening of 270 mm diameter in the pool wall so that the centre of the jet is approximately 25cm under the water level as described in the article 2 and pic. 1. Stick the sealing (no. 18 in pic. 3) from the inside part of the pool wall and prepare openings for the 16 screws of the flange (no. 16 pic. 3). Prepare the swim jet body (no. 20 pic. 3) from the inside part of the pool and tighten the flange (no. 17 in pic. 3) with screws (no. 16 in pic. 3) from the inside part as described in pic. 2d. During the installation of the air and pneumatic lines, follow the procedure in article 4.

Installation of the swim jet body to a prefabricated pool

Installation of the swim jet body to a prefabricated pool should be carried out in compliance with the pool manufacturer. The mounting may differ from the recommendations of the swim jet manufacturer. It may also be in a different location according to the individual types and dependent on the design of the swimming pool.

4. Installing the Air and Control Lines

Installing the Air Line:

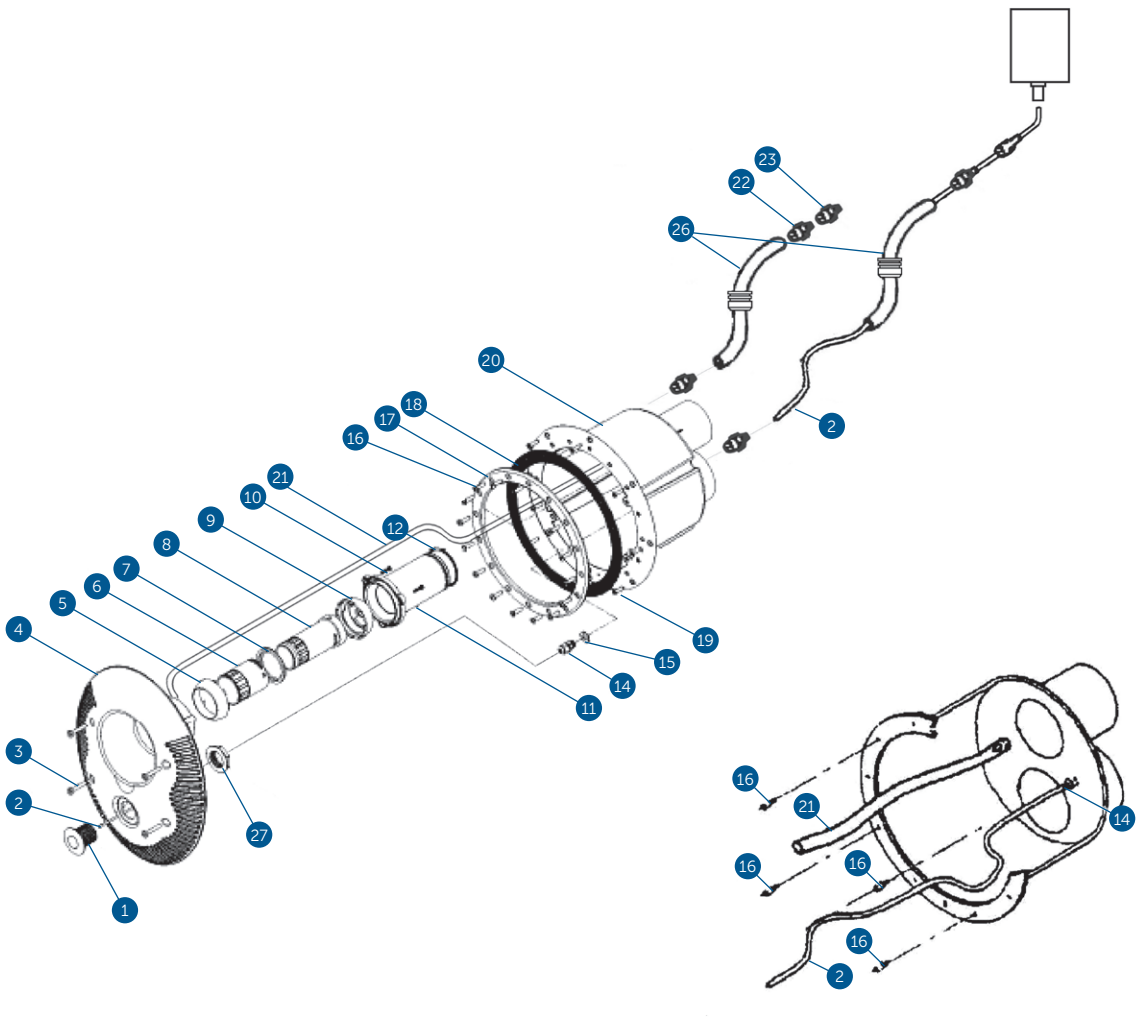
Install the check valve (No. 22, Fig. 3) on the hose used as the air line. It is important to place the check valve on the wall of the process area to prevent the intake of dirt (Fig. 5). Last, attach the flexible pipe (No. 21, Fig. 3) by pressing it into the nozzle inside the counterflow body (Fig. 4).

Installing the Pneumatic Lines:

Pull the end (No. 2, Fig. 3) of the pneumatic switching system through the opening in the counterflow body (No. 20, Fig. 3), fasten it with the grommet (No. 14), and connect it to the pneumatic switch (No. 1, Fig. 3) located on the front of the counterflow system.

Installing the piezoelectric lines:

Pull the end of the piezoelectric switching cable (No. 2, Fig. 3) through the opening in the counterflow mask, then install the reducer with a fitted pressure nut (No. 27, Fig. 3). Use the pressure nut to tighten the button to the counterflow mask. Then pull the end of the cable through the opening in the counterflow body (No. 20, Fig. 3) and fasten it with the grommet (No. 14). Finally, connect the button to the switchboard.



PIC. 3 PIC. 4

Attaching the Counterflow Front Cover with Pneumatic Lines

5.

The complete front cover is supplied in assembled condition and includes parts Nos. 1 to 12 (Fig. 3). The exception is a transparent pneumatic tube (No. 2), which is already a part of the counterflow body (Fig. 4). To install the front cover, proceed as follows:

- Connect the tube (No. 2) by sliding it onto the pneumatic button stem (No. 1, Fig. 3).
- Connect the hose (No. 21) by inserting it in the nozzle on the front cover.
- Connect the complete front cover with the counterflow body and make sure that the ring (No. 12) is inserted into the mouth of the discharge opening (ø 75 mm).
- Tighten the four screws (No. 3, Fig. 3). Once tightened, the front cover is ready for use.

Attaching the Counterflow Front Cover with Piezoelectric Lines

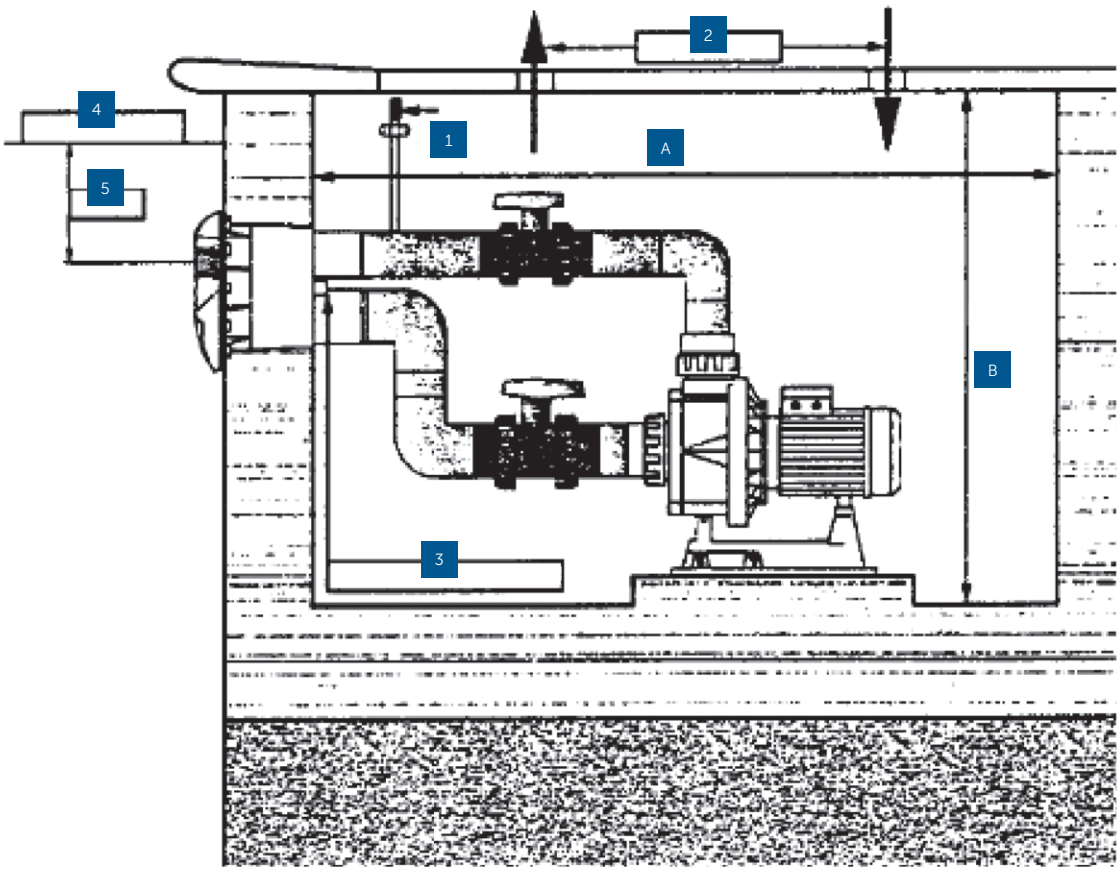
The complete front cover is supplied in assembled condition and includes parts Nos. 3 to 12 (Fig. 3). To install the front cover,
proceed as follows:

- Connect the button (No. 1); after pulling the cable through the reducer, fasten the button with a pressure nut.
- Connect the hose (No. 21) by inserting it in the nozzle on the front cover.
- Connect the complete front cover with the counterflow body and make sure that the ring (No. 12) is inserted into the mouth of the discharge opening (ø 75 mm).
- Tighten the four screws (No. 3, Fig. 3). Once tightened, the front cover is ready for use.

6. Minimum space requirements and device installation

Before installing the device itself, it is necessary to consider the technology space (sump) proportions where you want to place the swim jet. Make sure in advance that you will not have any problems due to a lack of space while installing the pump. The minimum recommended proportions of the technology space required for the device installation, see pic.5 + table.

width (mm)	length A (mm)	height B (mm)
750	1420	900



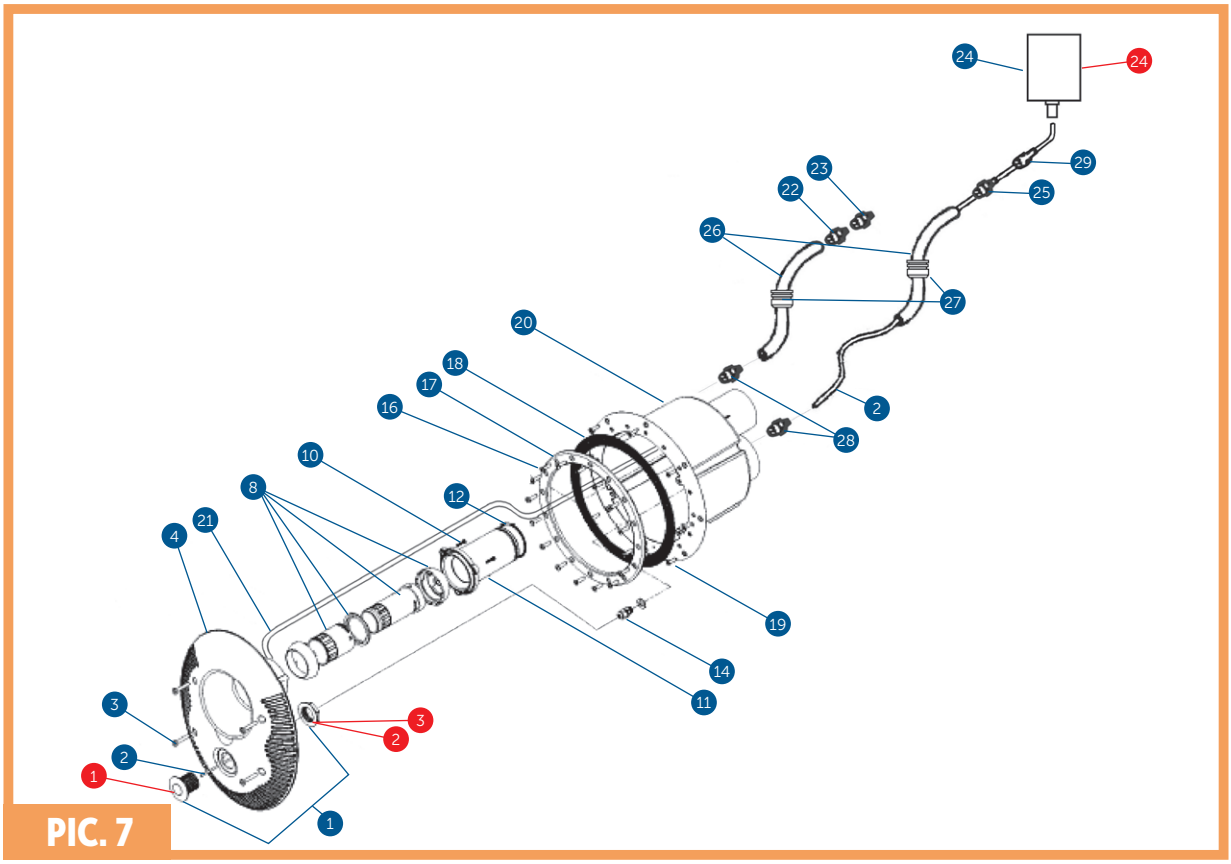
PIC. 5

1 Air outlet
2 Ventilation
3 To the el. switching
4 Water level
5 25 cm

ELEGANCE Counterflow List of Parts

7.

Item	Product description	pc(s)	Product code
1	counterflow pneumatic button	1 ks	1BP04-01-011
1	Piezoelectric switch	1 ks	1BP04-01-025
2	pneumatic hose D5	7 m	1ND03-01-003
2	Piezoelectric button reducer	1 ks	1BP04-01-026
3	Counterflow cover screw	4 ks	1ND03-01-016
3	Pressure nut	1 ks	1BP04-01-027
4	Counterflow front cover	1 ks	1ND03-01-009
8	Internal counterflow nozzle	1 ks	1ND03-01-031
10	Nozzle screw - self-tapping	3 ks	křížový vrut 4x16mm
11	External counterflow nozzle	1 ks	1ND03-01-030
12	Counterflow nozzle O-ring	1 ks	1ND03-01-024
14	Pneumatic hose grommet, grommet O-ring	1 ks	1ND03-01-054
16	Flange screw	16 ks	1ND03-01-047
17	Counterflow head body flange	1 ks	1ND03-01-012
18	Seals	2 ks	1ND03-01-025
19	Counterflow body screw	4 ks	1ND03-01-018
20	Counterflow head body	1 ks	1ND03-01-021
21	Air intake hose D12	1 ks	1ND03-01-004
22	Counterflow head body reducer D20/8	1 ks	1BP07-02-032
23	Counterflow air intake check valve	1 ks	1ND03-01-044
24	Elegance 70-230V countercurrent cabinet 1st phase.	1 ks	1ND03-01-001
	Elegance 70-400V countercurrent cabinet 3st phase.	1 ks	1ND03-01-002
	Elegance 80-400V countercurrent cabinet 3st phase.	1 ks	1ND03-01-005
	Elegance 95-400V countercurrent cabinet 3st phase.	1 ks	1ND03-01-038
24	Elegance 70-230V Piezo counterflow cabinet 1st phase.	1 ks	1BP11-01-013
	Elegance 70-400V Piezo counterflow cabinet 3st phase.	1 ks	1BP11-01-011
	Elegance 80-400V Piezo counterflow cabinet 3st phase.	1 ks	1BP11-01-010
	Elegance 95-400V Piezo counterflow cabinet 3st phase.	1 ks	1BP11-01-010
25	Ending	1 ks	1ND03-01-013
26	Protective hose / air intake hose	2 ks	1BP07-02-021
27	Shaft grommets	2 ks	1BP11-02-121
28	PVC reducer	2 ks	1BP07-02-098
29	Reducer	1 ks	BXNDPPD015



PIC. 7

8. Electrical Connection – WARNING

The motor and counterflow switch may only be connected by a qualified electrical engineer. The power supply voltage must correspond to the details on the motor plate. The system must be powered via a current protector with a residual current of 0.03 A. The starting motor must be set to the motor plate value. The power supply protection must be properly rated with regard to the motor's current requirements. All the metal parts of the system must be connected and grounded. All the instructions provided by the manufacturer must be followed. The input and output wires from the junction box must be routed through bushings that prevent the ingress of moisture and dirt in the junction box. The wires must be fitted with suitable connection terminals.

Electropneumatic switching:

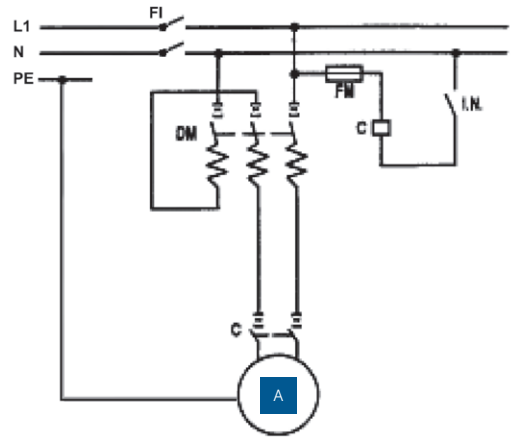
"Electropneumatic switching must be installed in a dry and protected place at a distance of no more than 7 metres from the pneumatic switch on the counterflow front. The pneumatic hose (No. 2, Fig. 3) is intended for connection to the electropneumatic switch.

It is important to check that the hose is not bent, broken or pinched."

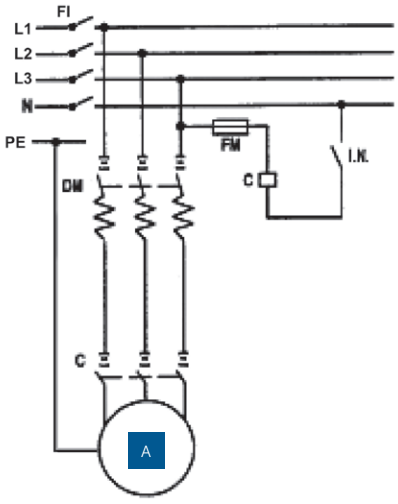
The electropneumatic panel consists of:

- 1 starting motor
- 1 electropneumatic switch
- 1 control fuse

All these parts should be installed in a waterproof plastic enclosure with an ingress protection rating of IP55.



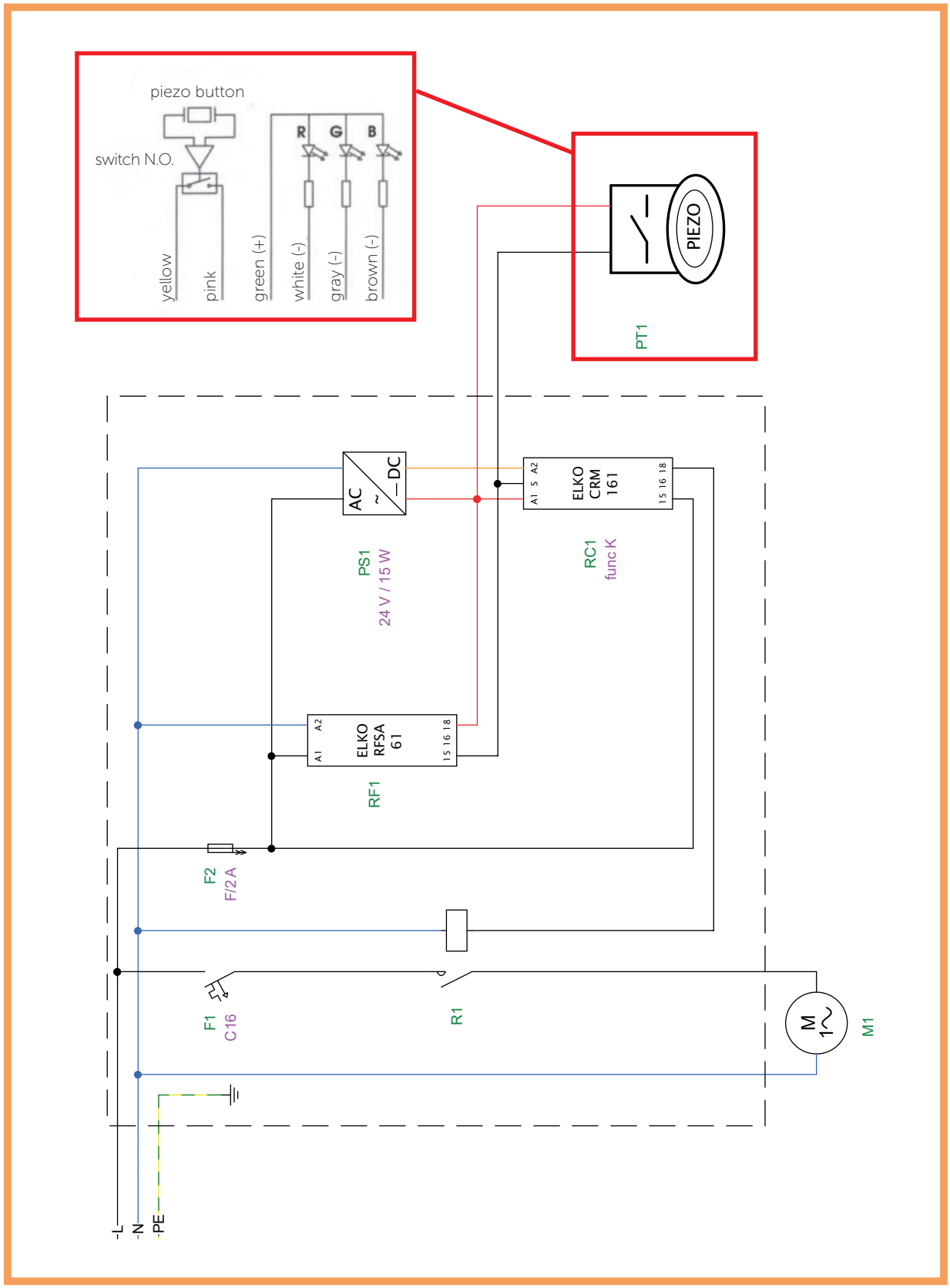
PIC. 8



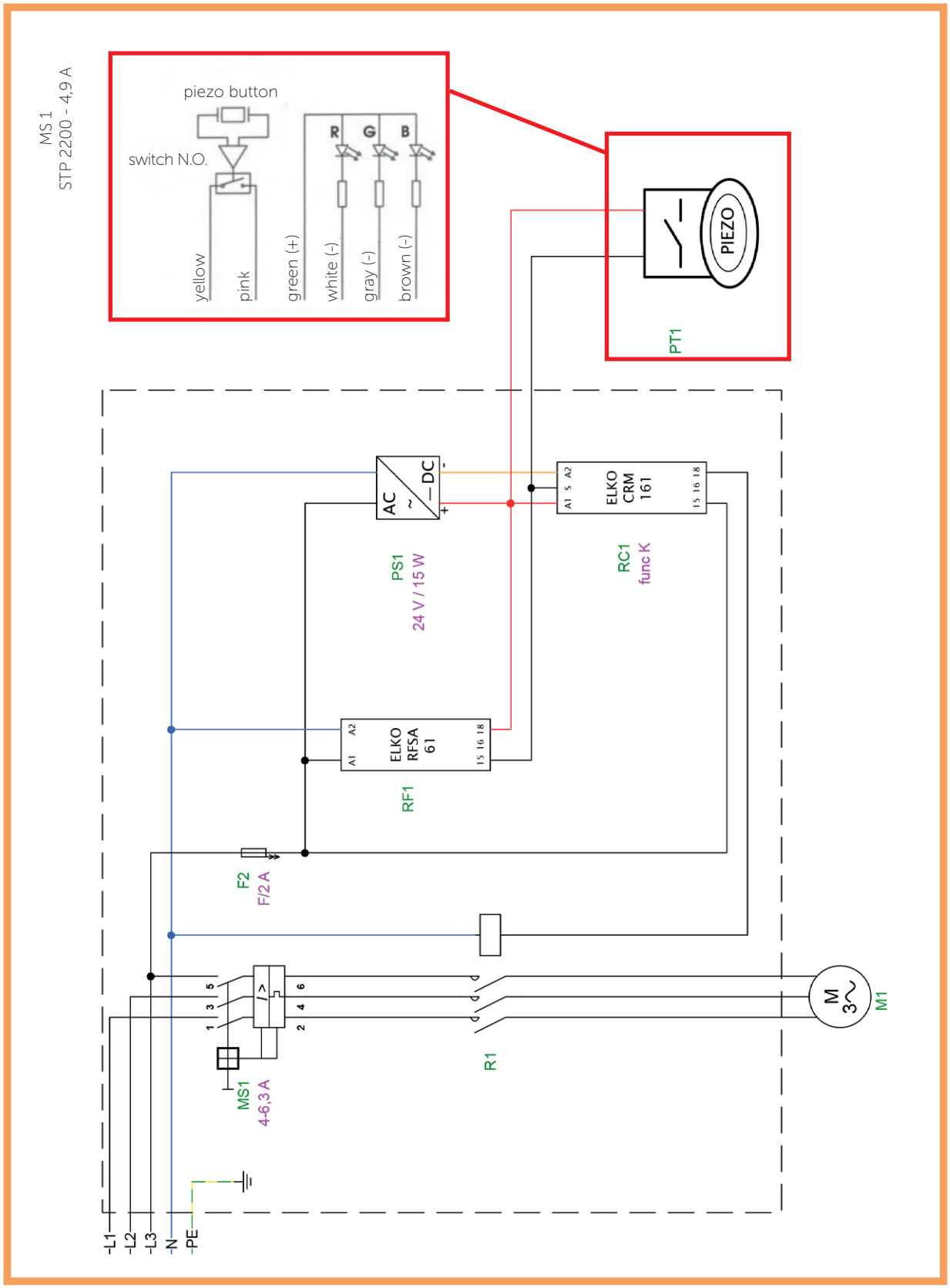
PIC. 9

1 Motor

FM - control fuse, DM - starting motor, I.N. - electropneumatic switching unit,
C - contactor, FI - current protector



F1 - motor circuit switch
R1 - contactor
RC1 - time relay
MS1 - motor protector
PS1 - 24 V DC power supply
PT1 - piezo button el. connection
F2 - control fuse
RF1 - remote control receiver
M1 - counterflow motor

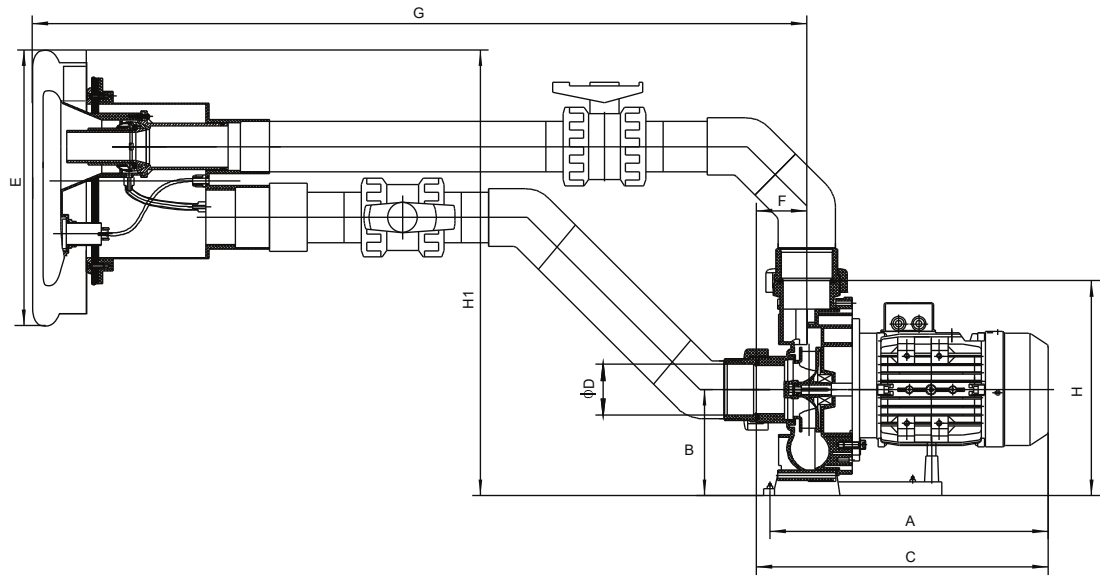


F1 - motor circuit switch
R1 - contactor
RC1 - time relay
MS1 - motor protector
PS1 - 24 V DC power supply
PT1 - piezo button el. connection
F2 - control fuse
RF1 - remote control receiver
M1 - counterflow motor

ELEGANCE swim jet pump

9.

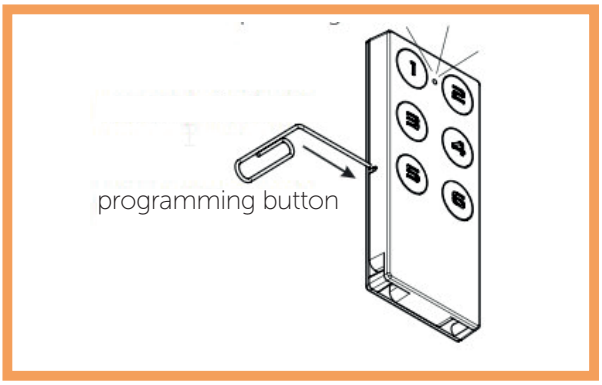
Model	A	B	C	D	E	F	G	H	H1
Elegance 70	370	156	440	75	395	77	1110	340	635
Elegance 80	410	156	470	75	395	77	1110	340	635
Elegance 95	440	156	500	75	395	77	1110	340	635



PIC. 10

10. Pairing the Remote Control and Setting the Timer

1) Switching the transmitter (key fob) to pairing mode
2) Switching the receiver (actor) into pairing mode
3) Pairing the transmitter and receiver
4) Exiting the transmitter pairing mode

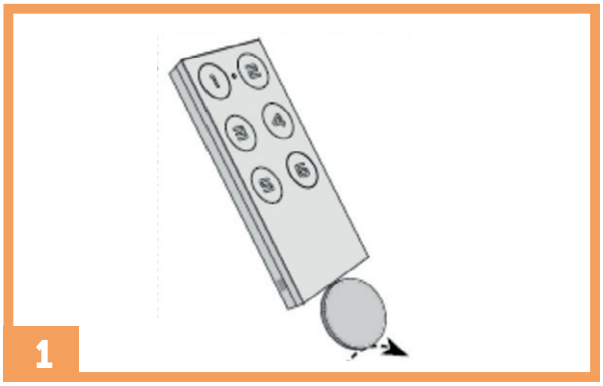


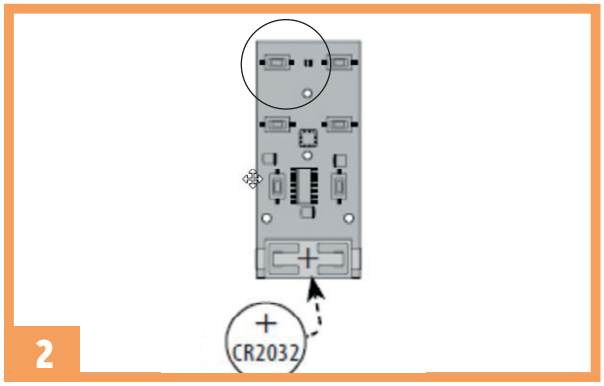
Switching the transmitter into pairing mode – newer version of the RF key 40/60

1) Make sure there is a battery in the transmitter – the red light will flash briefly when any key is pressed
2) Use a paper clip, for example, to press the programming button for about 2 seconds – the red light starts flashing regularly
3) Release the programming button

Switching the transmitter into pairing mode – older version of the RF key 40/60

1) Use a coin to open the key fob and remove the transmitter board
2) If there is a battery in the device, remove it and press any button several times
3) Insert a battery in the device – OBSERVE THE CORRECT POLARITY
4) Press and hold button 1 (top left) until the red LED turns off and flashes once briefly

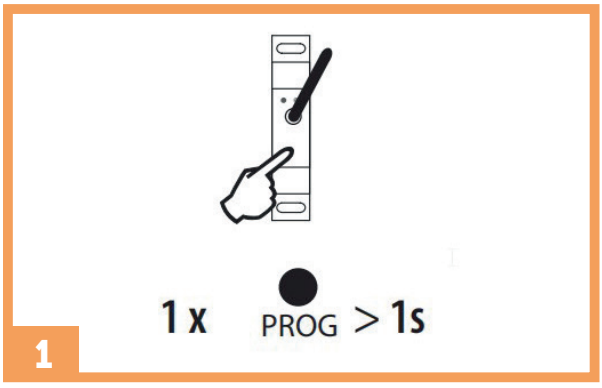




Switching the receiver (actor) to pairing mode – RFSA-61M

1) The module must be powered – the green Un light is on

2) Press and hold the PRG button (for about 2 seconds) – the red light starts flashing regularly



Pairing the transmitter and receiver

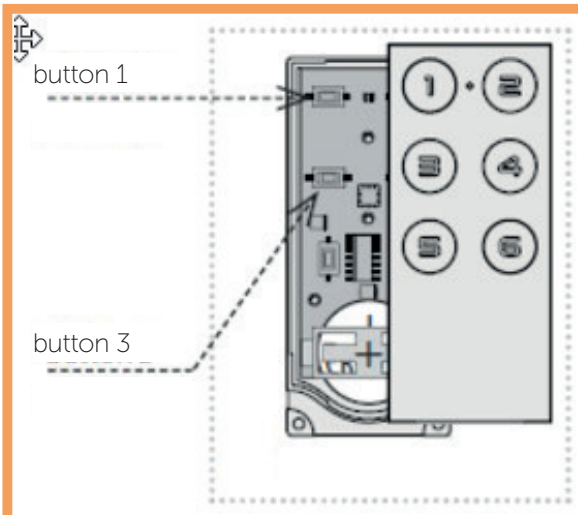
1) On the transmitter (key fob) press the button you wish to use to control the counterflow 1x – the red light on the receiver gives a long flash

Several transmitter buttons can be paired to perform the same function – simply proceed by pressing the desired buttons on the transmitter 1x – each press is confirmed with a long flash of the red light on the receiver

2) Confirm pairing by briefly pressing the PRG button on the receiver

Exiting the pairing mode for the older version of the RF key 40/60

1) Remove the battery from the transmitter
2) Press any key repeatedly
3) Insert a battery in the device – OBSERVE THE CORRECT POLARITY
4) Do not press any key for about 10 seconds
5) Insert the transmitter in the cover and snap it closed

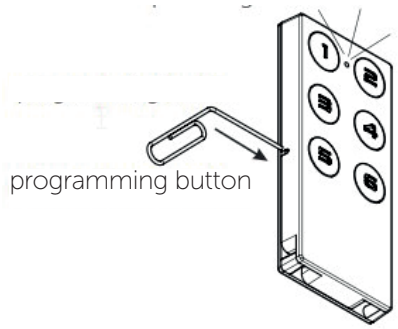


Insert the device in the lower cover. Attach the front piece of the cover and snap it closed.

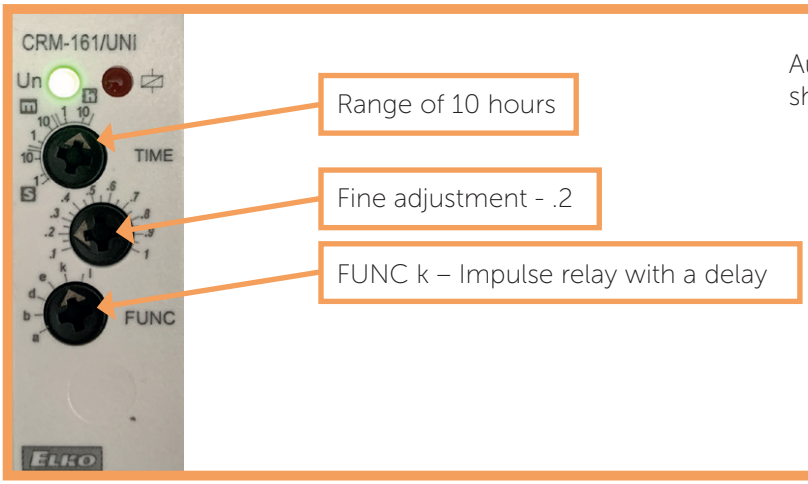
3

Exiting the pairing mode for the newer version of the RF key 40/60

1) Use a paper clip, for example, to briefly press the programming button – the red light stops flashing

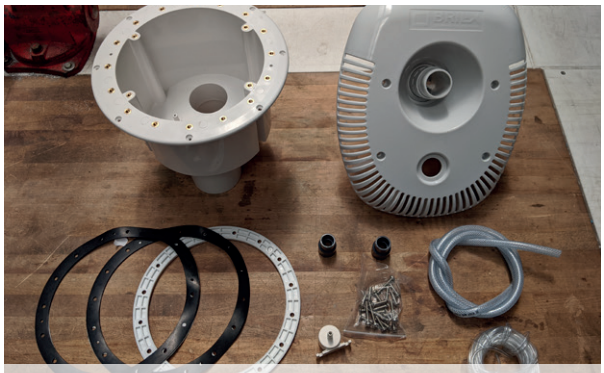


Setting the CRM-161 timer



11. Photos

Pneumatic switch of the swim jet



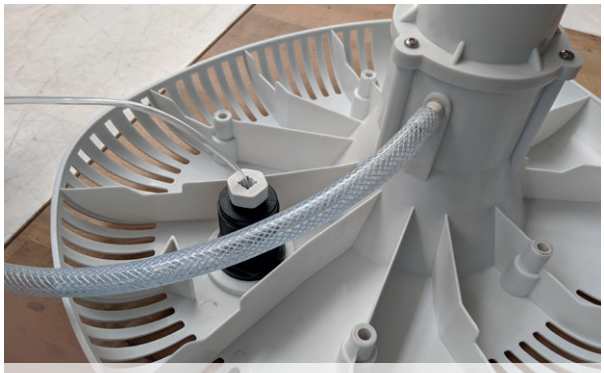
Contents of box 1

Contents of box 2

Contents of box 3

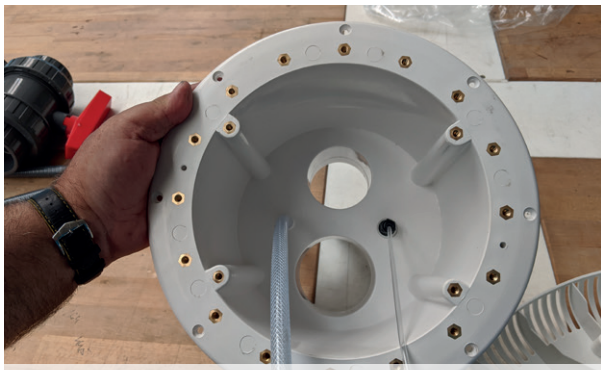
Content of box „C"

Head of the swim jet – outer part



Head of the swim jet – inner part

Mounting ring with seals

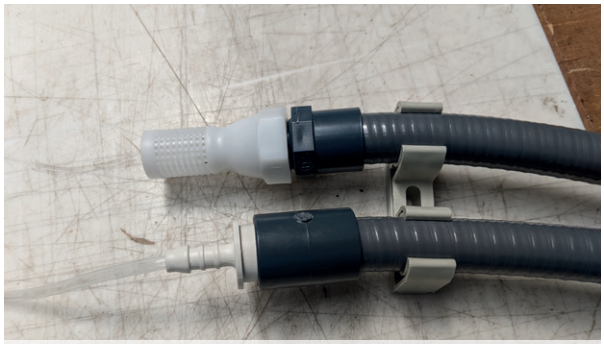


Body of the swim jet

Outlet of the switching hose from the swim jet body via the reducer to the protective hose

Connection of the air suction hose via the reducer to the countercurrent body

Shaft bushings



Air suction hose termination. Passage of the switching hose through the end of the protective hose

Connection of the switching hose to the electropneumatic switch

Piezoelectric button with a reducer and pressure nut

12. Warranty Terms and Conditions

Liability period for defects
The liability period for defects is governed by the provisions of the Civil Code.

Safe liquidation of the product at the end of its useful life
Once the product's useful life has ended, please ensure its ecological liquidation by a specialised company.

Complaints and Service
Claims are governed by the relevant acts on consumer protection and the provisions of the Supplier's Complaints Procedure..
In the event of any irreparable defects, please contact your supplier in writing.

Date .....

Supplier

Notes

Thank you for using ALBIXON products

ALBIXON
export@albixon.com
www.ALBIXON.com