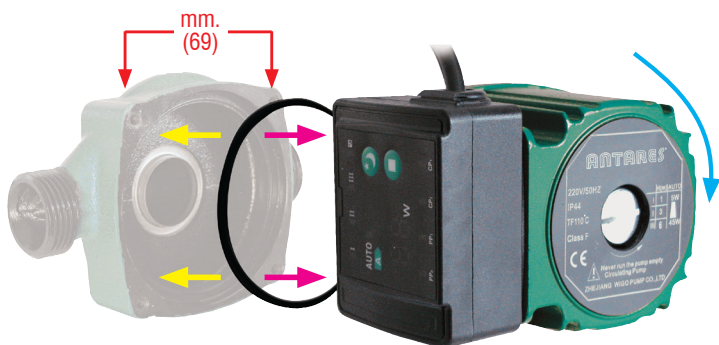




## Art. P.075.-- INSTRUCTIONS FOR THE SUBSTITUTION OF MOTOR

### Universal spare motors with turbine for domestic circulation pumps

**CLOCKWISE ROTATION** For WILO and other brands



Art. P.075

### UNIVERSAL MOTORS WITH TURBINE (fixing distance 69)

The **CLOCKWISE MODEL** allows interchangeability on most of domestic circulators present on the market. Complete with adjustable speed control to obtain delivery head according to the needs of the system.

### THE SUBSTITUTION OF THE MOTOR OFFERS MANY ADVANTAGES:

- quicker and easier to use
- less stocks and fixed assets

Art. P.075 - Universal spare motor in class "A" energy with turbine for substituting domestic circulators "WILo", "ANTARES", and other brands. Complete of set of washers and screws. Clockwise.

Fixing axis 69 mm. Complete of selectionable adjustable speed, that allows for 4.5 and 6 mt delivery. 230 Vac.

Delivery max	5 mt	6 mt
Ø impeller	62.5 mm	62.5 mm
Article code	P.075.50	P.075.60

**BETTER THAN THE ORIGINAL ONES**



**ANTARES IN THE WORLD**  
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### PRELIMINARY CONTROLS TO ASCERTAIN THE GENERAL CONDITIONS

1) Make sure that the cause for malfunction does not depend on other issues.



- Check with the help of a voltmeter that voltage is present on the electrical terminals of the motor, measuring the presence of correct voltage.
- Check inside the electrical box terminals for traces of burning and the state of condenser.
- Check the continuity of electrical current on windings to determine eventual burns or interruptions. per determinare eventuali interruzioni o bruciature.
- Measure the isolation resistance.
- The test is passed if the isolation resistance is 10 Ω.

2) Make sure that the circulator is not stuck due to dirt and if there is a release screw proceed as shown with a screwdriver:



With a large screwdriver unwind the cap.

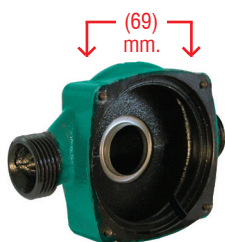


Then with a smaller one you can move the rotor of the circulator left to right that acts on the slot accessible under the removed cap.

# IF THE OLD PUMP IS IRREPARABLY COMPROMISED PROCEED FOR THE SUBSTITUTION OF THE MOTOR AS FOLLOWS:

## PRELIMINARY INTERCHANGEABILITY CONTROLS

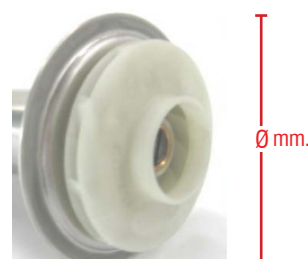
### ▶ FIXING FLANGE



### ▶ DIRECTION OF MOTOR ROTATION



### ▶ DIAMETER OF TURBINE



### ▶ The delivery of the old pump to be substituted.

Usually listed on the label shows the diameter of fittings and then the delivery.

Example: Model - Diameter - Delivery (UPS-15-50)

It is advisable not to use delivery heads more powerful than those listed on the old pump.

It is advisable to use:

- type 5mt (Art. P.075.50) for substitutions on pumps 4 and 5mt heads.
- type 6mt (Art. P.075.60) for substitutions on pumps 6mt heads.

### WARNING!

On circulation pumps **P.075 for WILO: If the motor must be installed on a "snail" with flat housing, It is necessary to add the seal (included in the item)** so that the motor lays on the seal and not on the metal part of the "snail". Thus the sealing is guaranteed. Should the motor be installed on a "snail" with housing equipped with groove for the o-ring, the additional seal is not required since the sealing is guaranteed by the seal itself (already set on the motor).



**Check that the product that you have purchased corresponds to the above 3 conditions of the old pump to be substituted.**

## INSTRUCTIONS FOR SUBSTITUTION:

- a) Disconnect the general electrical mains supplying electricity to the system.
- b) Check with the help of a voltmeter that there is no electricity flowing.
- c) Disconnect the wires of the old pump
- d) Close the tap that feeds water into the heating system.
- e) If the pump is equipped with intercepting valves on in/out see that they are closed. If these are not present then it is necessary to empty the system.
- f) Once the system is empty with appropriate Allen key diam 4-5 with a "T"
- g) Let out the water residue.
- h) Loosen and take out the fixing bolts and remove the broken motor.
- i) Insert the new motor in the flange and check the insertion of the seal between flange and motor.
- j) Insert the bolts and screw them.
- k) With the appropriate Allen key diam 4-5 gradually tighten the bolts in a diagonally opposite sequence.
- l) Open the intercepting valves of the pump if they are present.
- m) Open the water tap of the heating system and wait until you reach the defined filling pressure.
- n) Check carefully for any leakage between the flange of the pump and the motor.
- o) Carry out the electrical connection in the power supply box of the new motor.



handle loosen the four fixing bolts (on some occasions its two) of the motor from the body of the pump.

**N.B.** If after having removed the motor, you notice on the old pump presence of debris like mud or fine sand due to the crystal formation from minerals (magnesium, calcium, or other) we advise the complete wash-out of the system in order to avoid future or repeated malfunction of the motor.

