

User guide

Motor replacement of the Koi Pro Combi Drum

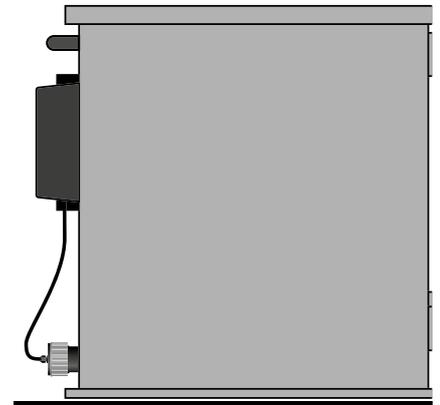


Replacement of the motor of the Koi Pro Combi Drum

To replace the motor of the Combi Drum, you need the following tools:

hex keys - small screwdriver - Phillips screwdriver - wrenches - torque wrench - pipe wrench.

Unplug everything so that there is no power on the electronics. See to it that the water is out of the filter as much as possible, so that no water can come into contact with the electronics during (dis)assembly.



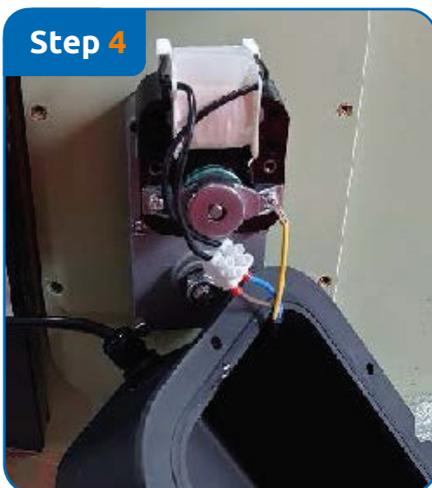
Start with removing the cap of the motor by unscrewing the hex head bolts.



Unscrew the electric wires and remove them from the terminal block.



Unscrew the ground wire and put the cover with the wires stuck in it to one side.



Now there are 2 options regarding the position in which the motor is mounted: if the white coil is up as in photo 4, then continue with step 5. If the white coil is down as in photo 3 it is difficult to reach the locknut of the shaft. To have good access to it, completely loosen the 2 bolts holding the coil so that you can remove the coil completely. (Photo step 3) As you replace the complete motor, there is no need for keeping the coil on.



Loosen the locknut (17mm) of the shaft while holding the drum so that it cannot rotate.



Now loosen the bolts holding the motor to the filter

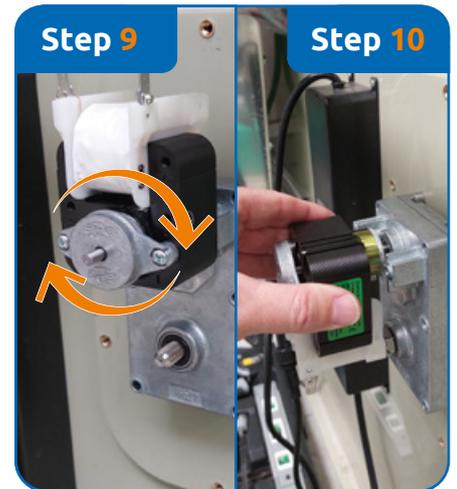
Motor Replacement of the Koi Pro Combi Drum



Remove the locknut completely and carefully remove the motor from the shaft. Make sure that the seal ring around the shaft does not fall and you lose it. Now place the new motor over the shaft and screw the motor back to the filter wall with the hex head bolts as it was (Photo step 6)



Now tighten the locknut of the shaft with a torque wrench at 65 Nm; again make sure that you (better yet, someone who helps) hold the drum so that it cannot rotate with it.



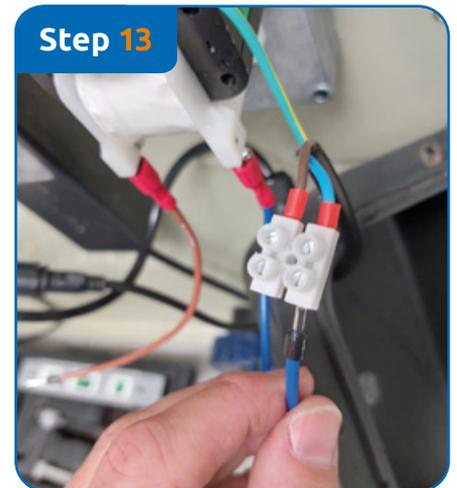
Then loosen the two screws on the new motor and turn the motor 180° so that the coil is pointing down again. Make sure that the black ring in this block remains in the right place.



Screw on the motor in this position, reconnecting the ground wire.



Attach the supplied cable shoes over the contacts on the motor (it does not matter where the brown and blue wire are).



Screw them back into the terminal block as shown. Now screw the protective cap back on as it was (Photo step 1).

Final instructions

- Let water flow into the filter again and check that everything is watertight.
- Then turn everything on and check for proper operation.
- **Your filter is now ready for normal use again.**



Scan QR for other languages

