Olympus+

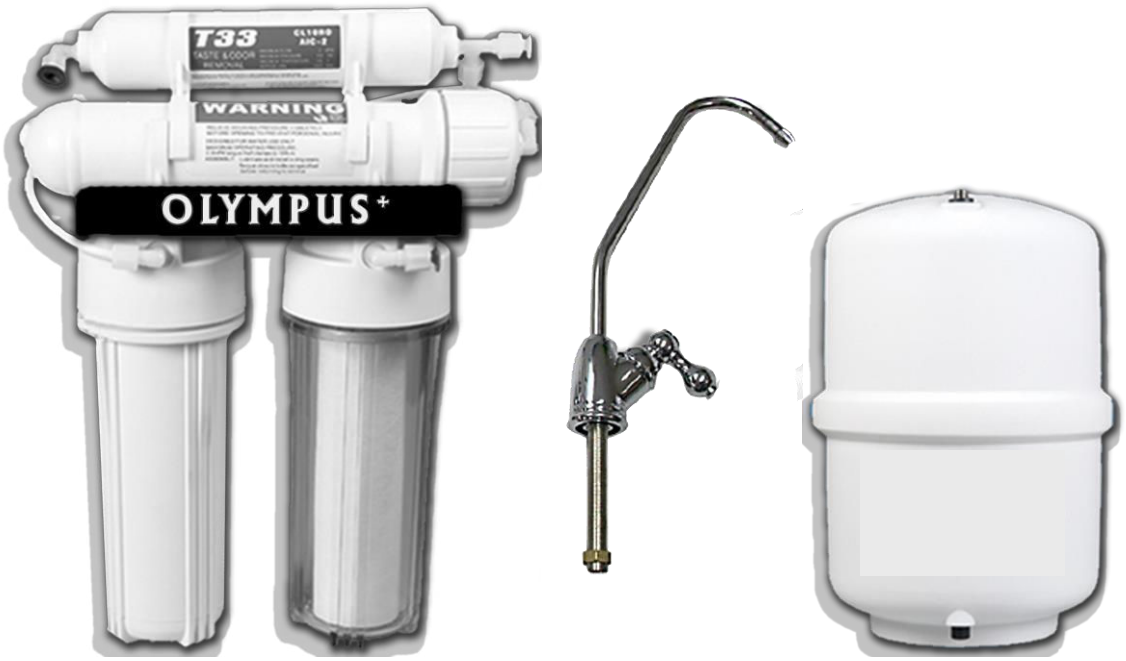
REVERSE OSMOSIS (R/O) WATER PURIFICATION SYSTEM
NW-RO50

INSTRUCTIONS FOR USE

CAUTION: The water source must be town mains water, monitored by the municipal authorities.

Before installation and use, read these instructions carefully.
Install the system correctly according to the instructions and keep this manual for future reference.

REVERSE OSMOSIS



FOR HEALTHY - CRYSTAL-CLEAR - OLYMPIAN WATER

1. Special features of the product

• The OLYMPUS+ R/O unit passes the water through 4 purification stages, and each of its 4 filters plays its own effective role in retaining harmful substances, microorganisms suspended in the water, colloids, organic matter, heavy metals, deposits of mud and particles, nitrates, etc.

• In addition, the third stage, the reverse osmosis membrane, is the main filter that turns hard water into soft water, retaining calcium-magnesium salts as well as salt from brackish or saline water, so that water unfit for drinking becomes normal drinking water.

2. Brief instructions on the water filtration unit and its operation

- **Stage 1: Polypropylene cartridge (filter).**

The polypropylene cartridge retains the sediment, colloids, rust and mud deposits present in the water.

- **Stage 2: Enhanced solid block activated carbon cartridge,** which retains chlorine, pesticides, asbestos, heavy metals and chemicals, while also improving the taste and odour of the water.

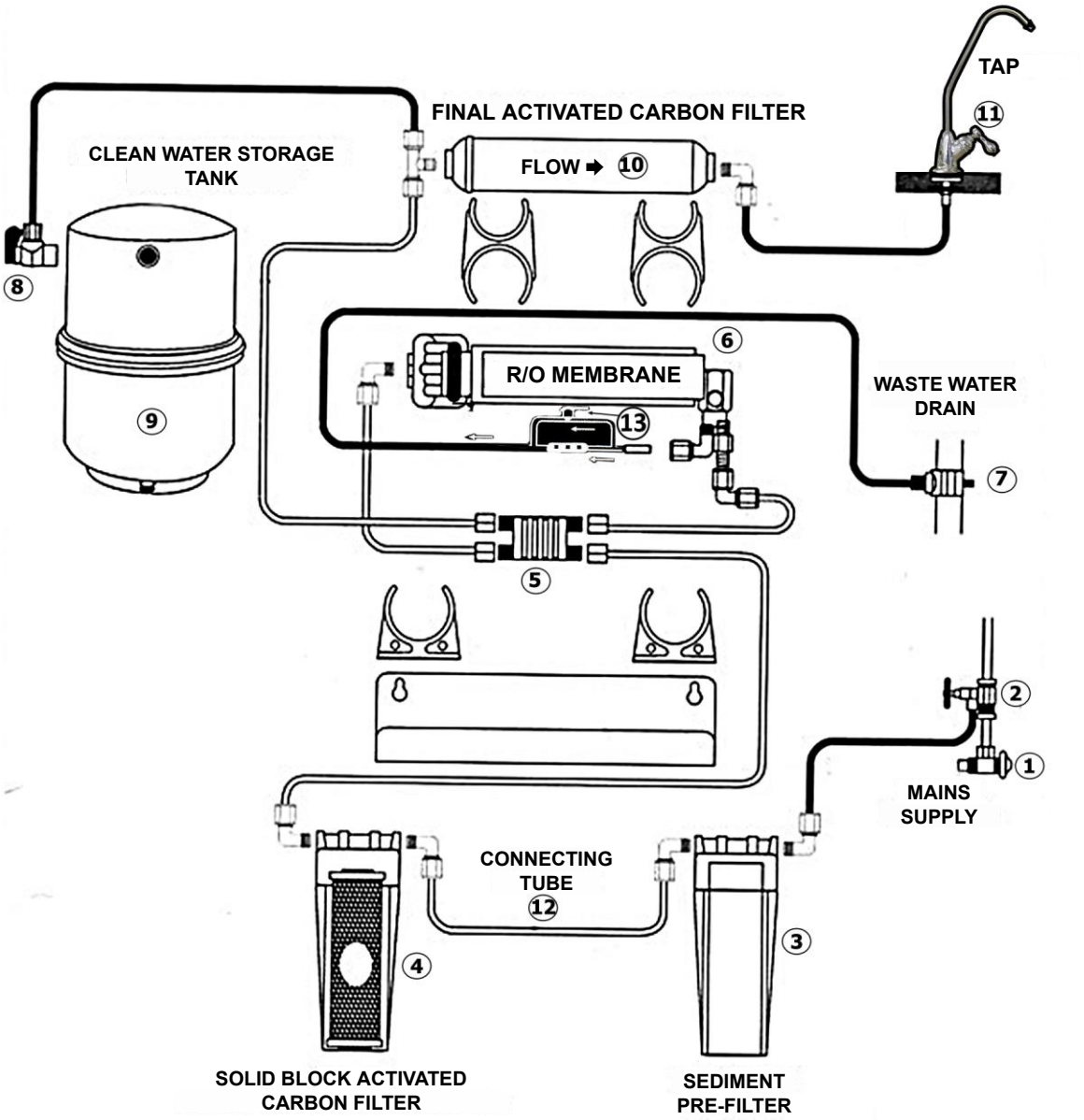
- **Stage 3: Reverse osmosis filter.**

The function of the reverse osmosis cartridge is to remove microscopic impurities, calcium-magnesium salts, nitrates, salt from brackish – saline water, colloids, heavy metals, stable dissolved substances, microbes and other harmful elements from the water.

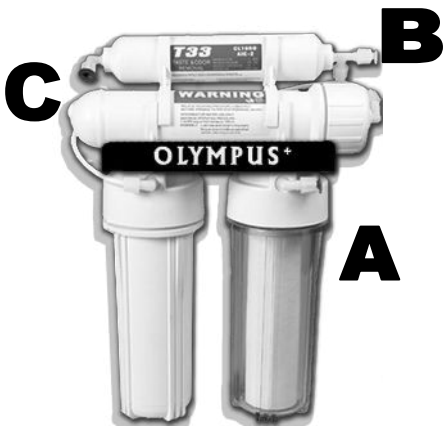
- **Stage 4: Activated carbon filter.**

This is the last filter, which freshens the water stored in the tank as you open the tap to use it.

3. WATER TREATMENT DIAGRAM - COMPONENTS - CONNECTION METHOD



1. Water mains connection fitting.
2. Valve
3. Sediment pre-filter
4. Solid block activated carbon filter
5. Manifold and automatic shut-off valve.
6. R/O membrane housing
7. Waste water drain tube
8. Tank valve
9. Pressurised water tank
10. Activated carbon filter
11. Tap
12. Plastic connecting tube
13. Blue membrane flush valve



HOW THE TUBES ARE CONNECTED TO THE UNIT:

A) Connection point for water from the mains supply (red plug)
B) Connection point for the unit's tank (yellow plug)
C) Connection point for the tap (blue plug)
- **Rear plug**: connection point for the sink waste pipe, to discharge the waste water (black plug)

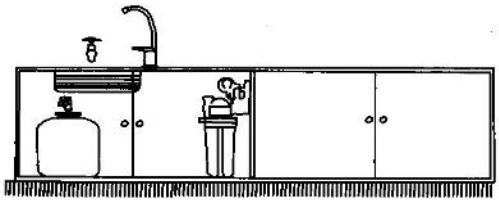
4. Important technical parameters

- ◊ Clean water output: 150-180L per 24 hours (50GPD) (25^0 C) and, depending on the water pressure, the tank fills in approximately 3 to 5 hours.
- ◊ Suitable water source pressure: 3 – 7 BAR
- ◊ Permissible ambient temperature: 5-40^0 C

5. Installation

The R/O system should be installed to suit the conditions in your kitchen (see picture 1).
The most suitable place to install the unit is in the cupboard under the kitchen worktop (picture 1). In special cases it can also be installed on the kitchen worktop or even on the wall.
To connect the unit correctly to the water supply, see the diagram on page 3. Also, to connect the white plastic tube correctly to the filter sockets and the tap, see drawing 4 on page 4.

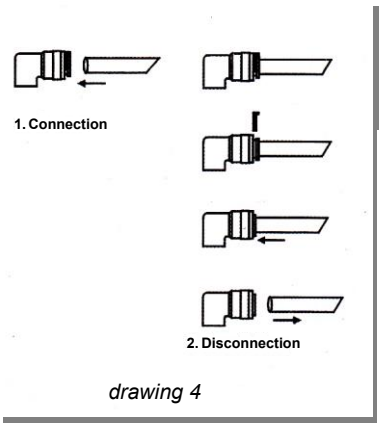
Picture ①



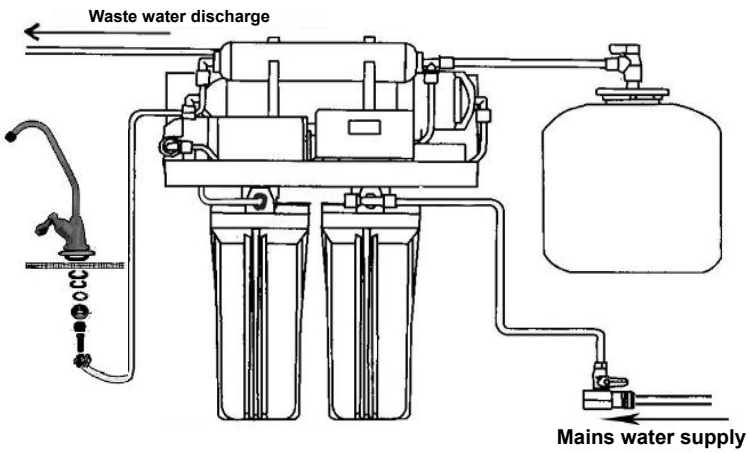
(Under-sink installation)

HOW TO CONNECT THE TUBE TO THE FILTER AND TAP SOCKETS

To remove the coloured plugs (blue, yellow, red and black): First remove the blue locking clip. Then press and hold in the white plastic ring on which the blue locking clip was fitted, and pull out the plug. To connect the tube, simply push it into the connection socket where the blue locking clip was, then put the blue locking clip back in place. To disconnect the plastic tube, close the water shut-off valve and follow the same procedure as for removing the coloured plugs (drawing 4).



drawing 4



drawing 5

Fitting the tap
The most suitable place to fit the tap is on the kitchen sink, as shown in drawing 5 on page 4.

Fitting the reverse osmosis membrane: After disconnecting the tube from the housing cap, unscrew the plastic cap of the reverse osmosis housing. Apply pharmaceutical petroleum jelly to the front end of the reverse osmosis membrane, where the two rubber O-rings are. Then insert the cartridge into the reverse osmosis housing, press it firmly so that it sits properly in the seat at the far end of the housing, and screw the cap tightly onto the reverse osmosis housing. When changing the R/O cartridge, disconnect the tube, unscrew the housing cap and, using a tool (pliers or long-nose pliers), pull the rear plastic part of the cartridge firmly outwards to remove it. Then fit the new cartridge, having first applied pharmaceutical petroleum jelly to its front end.

6. Use - Flushing the filters

When using the reverse osmosis (R/O) water unit for the first time, or when changing the activated carbon filters or the membrane, empty the water tank once or twice, as the first water is intended for flushing the filters and not for use. After this filter cleaning procedure, the water produced by the unit and stored in the tank is suitable for all uses. When the tank is full, the system will stop operating automatically.

NOTE: Every 3-4 months, or sooner if necessary, you can flush the membrane (6) for 5-10 minutes by opening the blue valve (13) located at the back of the unit, on the drain tube.

VERY IMPORTANT:

Reverse osmosis separates the problem water from the clean water, sending approximately 80-85% to the drain as waste water and storing the clean water in the water tank (9), which, depending on the mains pressure, fills with clean water within 3 to 5 hours; the system then stops operating until you use some water, at which point it starts up again automatically to refill the tank.

7. Maintenance

Replace the cartridges regularly, according to the instructions, so that you always have the best water quality.
If the cartridges are changed regularly, users of the reverse osmosis unit can enjoy clean water of the highest quality. The instructions below give the filter change intervals and should be followed:

1st stage filter (sediment pre-filter) every 3 to 6 months.

2nd stage filter (solid block activated carbon) every 9 to 12 months.

3rd stage filter (reverse osmosis membrane) every 12 to 18 months.

4th stage filter (activated carbon) every 9 to 12 months.

The replacement interval for each cartridge also depends on the level of impurities, limescale, nitrates, etc. in the water in each area, as well as on the amount of clean water consumed. Therefore, if you follow the recommended filter change intervals given above, the R/O system can guarantee you good water quality and purity.

8. CAUTION

1. Because mains pressure varies from one installation to another, the manufacturer advises you to fit a pressure reducing valve and a **water hammer arrestor** (available from plumbers' merchants) before the water filter so that, in the event of an increase in mains pressure or a momentary **water hammer effect,** the filter unit or the tubes do not break and flood your home. **When you are away from home for days, close the shut-off valve to the filter.**

2. Please do not disassemble any parts of the unit in the event of a leak or fault, as you could flood your home.

3. The tank has an air valve at the bottom, and you must **never** release or increase the air pressure in the tank, as the pressure tank will not work.

4. If the system is not used for a long period, you must close the R/O unit's valve, which is fitted immediately after the connection to the household water mains. The same applies when you are away from home for a few days.

5. If the R/O unit remains unused for a long time, when you use it again you should follow the operating instructions as you did the first time.

6. Careful handling during transport and installation is essential.

CENTER PLUS SA
● ACHARNES: 87 Karamanli Ave (13679)
● ATHENS: 40 Veranzerou St (10432)
● www.olympusplus.com ● www.olympusplus.gr ● www.olympusplus.cy
● www.olympusplus.ro ● www.olympus-plus.bg ● e-mail: info@centerplus.gr

TWO (2) YEAR WARRANTY

This warranty is valid for 2 years and:

a) Obliges the company CENTER PLUS SA to rectify, free of charge, any fault or operating problem in the water filter OLYMPUS⁺ REVERSE OSMOSIS DRINKING WATER FILTER SYSTEM.

b) Obliges the user of the filter, at their own risk and expense, to bring or send the faulty unit, for inspection and repair, to the company's service department at 87 Karamanli Avenue, (13679), Acharnes - Attica.

CAUTION: THIS WARRANTY DOES NOT COVER:

1) Parts and components of the unit or the cartridges that have been broken (through misuse).
2) Clogged replacement cartridges, due to lack of maintenance by the user or to the water being heavily laden with limescale, rust and mud sediment.
3) Breakage of the housings enclosing the filters or of the connecting tubes caused by excessive pressure in your water mains or by the water hammer effect, in which the mains pressure rises momentarily and uncontrollably, if you have not fitted your household water mains with a water hammer arrestor, which we recommend for safety reasons.
4) Intervention by an unauthorised technician.

SIGNATURE - STAMP

DATE OF PURCHASE:

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EDITION 2