LYNPHA® VIVA GOLD Z-400
By DEPUR SISTEM ITALIA

A source of pure water comfortably at your home!

REVERSE OSMOSIS
DIRECT FLOW
Z-400 SERIES

LOW COST
MAINTENANCE

ULTRA-FLAT
EASY ASSEMBLY

PURE AND LIGHT
DRINKING
AND COOKING WATER

MADE IN ITALY
Quality Guaranteed



Code	Reverse Osmosis System LYNPHA VIVA GOLD Z-400 series
LYNPHA042	Reverse Osmosis System Z-400EC 70 lt/h standard version
LYNPHA041	Reverse Osmosis System Z-400UV 70 lt/h version with UV sterilizer 6W
LYNPHA045	Reverse Osmosis System Z-400LX 70 lt/h version with Post-filter cartridge in-line Deacidifying length 12" rechargeable
LYNPHA047	Reverse Osmosis System Z-400WG 70 lt/h version with integrated carbonator for dispensing sparkling water at room temperature

Note: the supplied assembly kit does not include the faucet.



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Code	Accessories and spare parts
41	Long reach faucet type 1 chromed with plastic inner body and stainless steel spout
41-1	Long reach faucet type 11 chromed 2-way with brass inner body and stainless steel spout
44-14	Faucet from sink mod. NKDP0212 chromed 3-way with mixer, separate outlet and inner body made of plastic
BORIC001	Disposable Co2 cylinder 600 gr. E290 thread M11x1 ST
BORIC005	Co2 cylinder aluminium 640 gr. E290 rechargeable thread M11x1 ST
RIPRE001	Pressure reducer for disposable Co2 cylinder
FILCOM001	Pre-filter cartridge Compact Microfiber PP 5µ length 12" bayonet coupling
FILCOM003	Pre-filter cartridge Compact Carbon Block 5µ length 12" bayonet coupling
14-1	Post-filter cartridge in-line Deacidifying length 12" connections ¼" F rechargeable
TFC3013-A	Reverse osmosis membrane TFC-3013-A 500GPD
S212T5	Lamp UV 6W (2+2 Pins)
KITALL001	External anti-flooding probe installation kit for Z-400 and Compact

The reverse osmosis systems Z-400 series are direct flow water filters without storage tank, capable to dispense 70 lt/h pure water with a high quality level. Using the selective capacity of special reverse osmosis membranes of the latest generation, they effectively remove excessive mineral salt and various polluting substances, such as sediments, rust, chlorine, nitrates, arsenic, phosphates, chromium, lead, heavy metals, pesticides, etc. from the water.

The reverse osmosis system Z-400 series is specifically designed to be installed both horizontally and vertically, in extremely small spaces of the house as for example in drawers or under the base of modular kitchens, so as to leave free the useful space under the sink. The appliance is equipped with electronic board with microprocessor for automatic control of the operation and thanks to the membrane flushing system, carried out automatically at the end of each dispensing cycle, it enables a high recovery rate (60%), reducing water consumption to a minimum without compromising the functionality of the membrane (average life of 3 / 5 years).

The reverse osmosis system Z-400 series is produced in four versions:
LYNPHA VIVA GOLD Z-400EC version with pre-filter Microfiber PP 5µ, pre-filter Carbon Block 5µ, automatic washing and membrane flushing system, timer for filter replacement and water leak detection alarm with automatic solenoid valve shut-off.
LYNPHA VIVA GOLD Z-400UV version with pre-filter Carbon Block 5µ, UV sterilizer 6W, automatic washing and membrane flushing system, timer for filter replacement and water leak detection alarm with automatic solenoid valve shut-off.
LYNPHA VIVA GOLD Z-400LX version as the model Z-400EC but complete with Post-filter cartridge in-line Deacidifying length 12" rechargeable.
LYNPHA VIVA GOLD Z-400WG version as the model Z-400EC but complete with integrated carbonator for dispensing sparkling water at room temperature.

MAIN CHARACTERISTICS

- Automatic operation controlled by the electronic board with microprocessor.
- Electronic timer for filter replacement alarm.
- Automatic membrane washing and scheduled flushing system (every 6 hours).
- Water leak detection alarm with automatic water supply lock.
- Pre-filter cartridge Compact of easy replacement integrated in the appliance.
- UV sterilizer 6W with stainless steel frame (version Z-400UV).
- Mixing kit for residual hardness and TDS value control.

Z-400 SERIES REVERSE OSMOSIS SPECIFICATIONS

Nominal flow rate (1)	70 lt/h	Osmotic membrane	TFC3013-A
Min-Max supply pressure	2 - 5 bar	Membrane capacity	500GPD
Operating pressure	8 bar	Medium NaCl rejection	97%
Flow rate Booster Pump (1)	130 lt/h	Max recovery rate	60%
Min-Max Water temperature	+5 °C / +40 °C	Pre-filter 1 Compact 12"	Microfiber PP 5µ
Max salinity input	1500 ppm TDS	Pre-filter 2 Compact 12"	Carbon Block 5µ
Max total hardness	50 °F	UV sterilizer 6W	Vers. Z-400UV
Power supply	230Vac-50Hz	Post-filter Deacidifying	Vers. Z-400LX
Max absorption	75 Watt	UV lamp duration	8000 hours
Transformer Booster Pump	32Vdc -2A	Shipping Weight	12,5 Kg
Dimensions vers. EC/UV L x D x H	405x445x100 mm	Assembly and regulation kit TDS	YES
Dimensions vers. LX/WG L x D x H	475x445x105 mm	Faucet	Optional

(1) Indicative value obtained in laboratory conditions and based on water with 500 ppm TDS, supply pressure 3.5 bar, operating pressure 8 bar, temperature 17.5 °C and after 24 operating hours. The flow rate of each element can vary by +/- 15%, and also the flow rate may vary significantly depending on salinity and especially on the supply water temperature (+/- 3% per °C temperature).

The stylish, modern and compact design of the reverse osmosis system Z-400 series is enhanced by the frame built of stainless steel AISI 304 and the upper cover of easy removal for the access to the prefilters cartridge Compact subject to scheduled maintenance (6 / 12 months). Warning: this appliance requires regular and periodic maintenance in order to ensure that the water treated meets drinking water standards and that the improvements as stated by the manufacturer are preserved.

The reverse osmosis system Z-400 series is a Made in Italy product using only the best materials and the most advanced processing systems and comes complete with an instruction manual and assembly kit for simple and correct installation. As required by the Italian Ministerial Decree no. 174/2004, all components of the hydraulic circuit are non-toxic and made using materials suitable for contact with drinking water. Ecological, reliable and technologically advanced, the reverse osmosis system Z-400 series is an appliance for the treatment of drinking water and it conforms to the Italian Health Ministry's Decree no. 25/2012 and EC standards.



MOD. Z-400EC

SUBSTANCES REMOVAL TABLE

Sodium	90-95%	Cadmium	93-98%
Calcium	93-98%	Mercury	93-98%
Magnesium	93-98%	Chrome	93-98%
Potassium	90-95%	Lead	93-98%
Ammonia	93-98%	Chloride	90-95%
Nitrite	93-98%	Asbestos	>99%
Nickel	93-98%	Nitrate	85-90%
Hydrocarbon	98-99%	Phosphate	93-98%
Bacteria	>99%	Sulphate	93-98%
Zinc	93-98%	Arsenic	93-98%
Chlorine	100%	Pesticide	96-98%



FILCOM001
FILCOM003



S212T5



TFC3013-A

