

**LYNPHA<sup>®</sup>**  
**VIVAGOLD S-800**  
 By DEPUR SISTEM ITALIA

The perfect solution  
 for Ho.Re.Ca.

REVERSE OSMOSIS  
 DIRECT FLOW  
 S-800 SERIES

AUTOMATIC  
 OPERATION

FRAME AND COVER  
 MADE OF  
 STAINLESS STEEL

IDEAL FOR BARS,  
 RESTAURANTS AND  
 LABORATORIES



Code	Reverse Osmosis System LYNPHA VIVA GOLD S-800 series
LYNPHA017	Reverse Osmosis System S-800SF 150 lt/h version without pre-filtering kit
LYNPHA018	Reverse Osmosis System S-800EC 150 lt/h standard version
LYNPHA019	Reverse Osmosis System S-800UV 150 lt/h version with UV sterilizer 6W

Code	Accessories and spare parts
KITPOST03	Installation kit for post-filter cartridge Compact Carbon Block 5µ length 12" bayonet coupling
KITPOST04	Installation kit for post-filter cartridge Compact ACF+HF Activated Carbon Fiber + Hollow Fiber Membrane 0,1µ length 12" bayonet coupling
28	Filter cartridge Microfiber PP 5µ length 10"
31	Filter cartridge Carbon Block 10µ length 10"
FILCOM003	Post-filter cartridge Compact Carbon Block 5µ length 12" bayonet coupling
FILCOM004	Post-filter cartridge Compact ACF+HF Activated Carbon Fiber + Hollow Fiber Membrane 0,1µ length 12" bayonet coupling
TFC3013-A	Reverse osmosis membrane TFC-3013-A 500GPD
S212T5	Lamp UV 6W (2+2 Pins)

REVERSE OSMOSIS

The reverse osmosis systems S-800 series are direct flow water filters capable to dispense 150 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 S-800 series is specifically designed to be installed upstream of the water coolers, ice machines, beverage dispensers, coffee machines, dishwashers etc. The system it is equipped with a small storage tank (about 3 lt) for the instantaneous dispensing of pure water with constant salinity level. To better guarantee the quality, all systems can be equipped with UV sterilizer 6W, post-filter Carbon Block 5µ and post-filter ACF+HF with hollow fiber membrane capable to eliminate unpleasant odours, tastes and particles up to 0,1µ, including bacteria, algae, fungi, cysts and other micro-organisms.

The reverse osmosis system S-800 series is produced in three versions:

**LYNPHA VIVA GOLD S-800SF** version without pre-filtering kit, complete of automatic washing and membranes flushing system, timer for filter replacement and water leak detection alarm with automatic solenoid valve shut-off.

**LYNPHA VIVA GOLD S-800EC** standard version with pre-filter Microfiber PP 5µ, pre-filter Carbon Block 5µ, automatic washing and membranes flushing system, timer for filter replacement and water leak detection alarm with automatic solenoid valve shut-off.

**LYNPHA VIVA GOLD S-800UV** version as the model S-800EC but complete with UV sterilizer 6W.

### MAIN CHARACTERISTICS

- Automatic operation controlled by the electronic board with microprocessor.
- Timer and electronic litre counter for automatic filter replacement alarm.
- Automatic membrane washing and scheduled flushing system (every 6 hours).
- Membrane tank for osmosis water storage integrated in the appliance.
- Water leak detection alarm with automatic water supply lock.
- Pre-filtering kit length 10" installed outside of the appliance.
- Pressurising pump of rotating type with brass palette 300 lt/h.
- UV sterilizer 6W with stainless steel frame (version S-800UV).
- Mixing kit for residual hardness and TDS value control.

### S-800 SERIES REVERSE OSMOSIS SPECIFICATIONS

Nominal flow rate <sup>(1)</sup>	150 lt/h	Osmotic membranes	TFC3013-A
Min-Max supply pressure	2 - 5 bar	Membrane capacity	2 x 500GPD
Operating pressure	10 bar	Medium NaCl rejection	97%
Flow rate Pump <sup>(1)</sup>	300 lt/h	Max recovery rate	60%
Min-Max Water temperature	+5 °C / +40 °C	Pre-filter 1 length 10"	Microfiber PP 5µ
Max salinity input	1500 ppm TDS	Pre-filter 2 length 10"	Carbon Block 5µ
Max total hardness	50 °F	Post-filter Compact CBC 12"	Optional
Max free chlorine	less than 0,5 ppm	Post-filter Compact ACF+HF 12"	Optional
Power supply	230Vac-50Hz	UV sterilizer 6W	Optional
Max absorption	310 Watt	UV lamp duration	8000 hours
Storage tank useful volume	3 lt.	Shipping Weight	22 Kg
Osmosis Dimensions L x D x H	205x420x510 mm	Assembly and regulation kit TDS	YES
Pre-filter kit dimensions L x D x H	280x150x360 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 S-800 series is enhanced by the frame built of stainless steel AISI 304 and the upper cover of easy removal for the access to the inner components of the appliance. 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 S-800 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 S-800 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.



PRE-FILTERING KIT

### 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%



28



S212T5



31



FILCOM003  
FILCOM004



TFC3013-A