

# LEANTE

DIRECT FLOW

## ADVANCED REVERSE OSMOSIS SYSTEM

Direct Flow

**5 stages** of filtration

- ~ Capacity: 600 GPD (2.280 l.)
- ~ Compact size
- ~ Double information system in equipment and tap
- ~ Recovery rate: 60%





1,5/2 LPM  
HIGH  
PRODUCTION



FILTER CHANGE  
WARNING



MEMBRANE CHANGE  
WARNING



SYSTEM  
WITHOUT TANK



5 FILTRATION  
STAGES



INTEGRATED  
HYDRAULIC  
CIRCUIT



66% - 33% |  
PRODUCTION RATE  
LITERS OF PRODUCED  
AND WASTE WATER



HIGHER FLOW  
RATE OF WATER  
DISPENSED



FILTER CHANGE IN  
3 MINUTES



LITERS OF  
PRODUCED AND  
WASTE WATER



ELECTRONIC  
LEAKING  
SENSOR



EASY  
MAINTENANCE



MULTIPROTECTION \*



WITH WARNINGS:

- WATER QUALITY
- FILTER CHANGE



AUTO-FLUSHING  
MEMBRANE



SYSTEM WITH  
CONDUCTIVITY  
CONTROL

\* Shutdown for continuous operation. Maximum 30 minutes.  
Shutdown due to abnormal operation of the pump. 20 minutes.  
Shutdown due to operation at temperatures below 3 °C.

**600 GPD  
CAPACITY**

Fill your glass of water  
in only **12 seconds**

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DIRECT FLOW



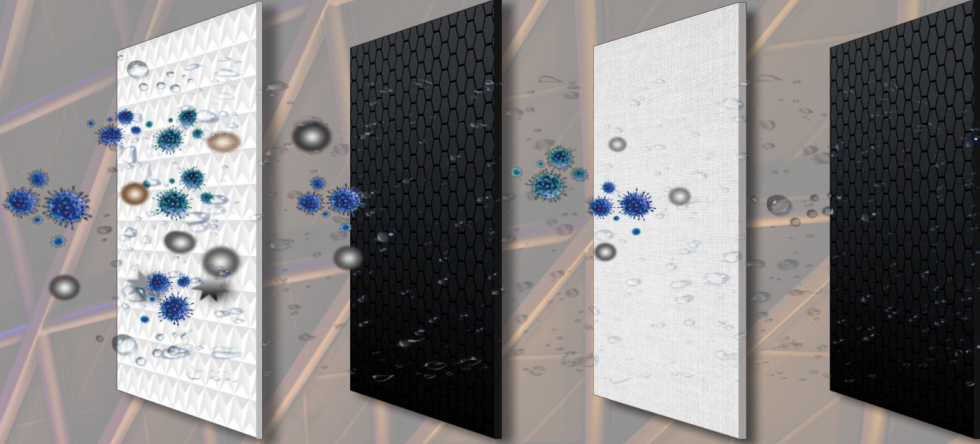
# SYSTEM WITH CONDUCTIVITY CONTROL



# COMBI FILTER

## 5 filtration stages

It removes 99,9% of heavy metals, chlorine, bacteria, organic elements, etc.



**PP**

Removes large particles, sediments, oxide.

**CB**

Carbon Filtration 5-10 microns. Removes 85% Chlorine.

**PUMP**

High pump pressure and high performance.

**RO**

Removes heavy metals and bacteria.

**CB**

Removes chlorine, odour and improves the taste.

# EASY AND FAST FILTER CHANGE

in only **3 seconds**

With an easy twist and without moving the machine from its position, take out the filter and replace it with the new one and your RO will work again at 100% capacity.

Automatic filter cleaning system.



# MEMBRANE MRO



600 GPD membrane.  
Maximum production and minimum rejection.



# DURABLE FILTERS

Get ready  
for **savings**

- ~ CB. 10 micron carbon block afterfilter
- ~ CF. Carbon block pre-filter with 5 micron polypropylene  
5 micron polypropylene pre-filter
- ~ RO. 600 GPD membrane

CB ←

CF ←

RO ←



# SMART DISPLAY

1. Announcement of equipment in production and water quality.
2. Status of post-filter
3. Condition of pre-filter
4. Condition of the membrane

The illuminated display on the front shows the service life and recommended filter and membrane replacement.

Service life indicator  
of the afterfilter

Service life indicator  
of the membrane

Service life indicator  
of the pre-filter



**100%**  
**ENVIRONMENTALLY  
FRIENDLY**

**2:1**

2 Litres produced  
1 Litres of waste water

RO without tank. It guarantees osmotic  
water direct to your tap.




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# SMART FAUCET

Check the quality of the filters quickly thanks to **multicolor led**

Produced water quality indicator

-  TDS  $\leq$  400 ppm
-  400 ppm  $\leq$  TDS  $\leq$  500 ppm
-  500 ppm  $<$  TDS

Filter life indicator

-  Litres remaining  $>$  150 / Days remaining  $>$  30
-  Remaining litres  $\leq$  150  $>$  0 / Remaining days  $\leq$  30  $>$  0
-  Remaining litres  $\leq$  0 / Remaining days  $\leq$  0

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# SMART AUTOFLUSHING OF MEMBRANE



- ~ Incorporated program
- ~ Avoids blockage in the membrane and extends its life span
- ~ It assures good water quality and better taste

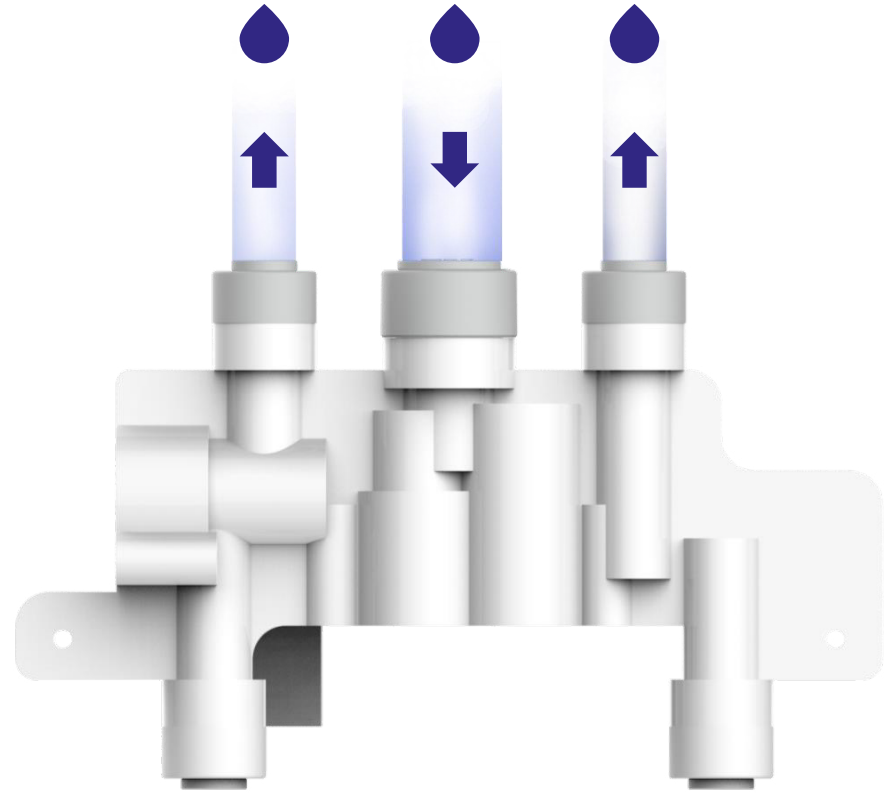


# INTEGRATED CIRCUIT



- ~ Less leaking
- ~ Less welding
- ~ Stronger seal
- ~ Easier and safer use

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# HYDRAULIC, ELECTRICAL AND ELECTRONIC CONNECTIONS

1. data interface
2. Drain 1/4"
3. 1/4" tap
4. Water inlet 3/8"
5. Power supply

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# TECHNICAL DATA SHEET



PRESSURE (max. - min.)	4 - 1 bar (400 - 100 kPa)
TEMPERATURE (max. - min.)	38 - 5 °C
TDS (max.)	1500 ppm
HARDNESS (max.)	20 °HF
WEIGHT	13 kg
POWER SUPPLY	24 VDC 5A
ADAPTADER	100 - 240 VAC 60 - 60 HZ
PRODUCTION (max.)*	1,5 - 2 LPM
RECOVERY	≥ 60%

\* Depending on the temperature of the water to be treated



# AUTOMATIC FLUSHING SYSTEM

FUNCTIONALITY	ACTIONS	STATUS OF THE LIGHTS
<p>1. Functional wash for first use</p>	<p>The equipment will wash the RO membrane for 5 min. The tap must then be turned on for 30 min.</p>	<p>During flushing, the water quality light is shown flashing red at 1Hz. After 6 min, the water quality light will return to the live measurement status.</p>
<p>2. Washing at power-on of the equipment</p>	<p>Whenever started, the equipment will flush the RO membrane for 20 sec. If the user opens the tap, the equipment will stop flushing and go into normal mode.</p>	<p>During flushing, the water quality light is shown flashing red at 1Hz. After 6 min, the water quality light will return to the live measurement status.</p>
<p>3. Washdown on accumulated operating time</p>	<p>Every time the accumulated working time reaches 2 hours, the equipment will flush the RO membrane for 20 seconds. If the user opens the tap, the equipment will stop flushing and go into normal mode.</p>	<p>During flushing, the water quality light is shown flashing red at 1Hz. After 6 min, the water quality light will return to the live measurement status.</p>

# FEATURES

## AUTOMATIC FLUSHINGS

FUNCTIONALITY	ACTIONS	STATUS OF THE LIGHTS
<p>4. Daily washing</p>	<p>When the unit has been idle for 24 hours, it will flush the membrane for 20 seconds when it starts up again. If the user opens the tap, the unit will stop flushing and go into normal mode.</p>	<p>During flushing, the water quality light is shown flashing red at 1Hz. After 6 min, the water quality light will return to the live measurement status.</p>
<p>5. Washing after filter change</p>	<p>CF: when changing the pre-filter and restarting its usage counter, the equipment will initiate a flushing of the CF filter and RO membrane for 5 min. RO: when changing the RO membrane and restarting its usage counter, it must be flushed by running the tap for 30 minutes.</p> <p>CB: when changing the CB post-filter and resetting its usage counter, it must be flushed by running the tap for 15 min.</p> <p>If all filters are changed and reset at the same time, the equipment will wash the CF filter and the RO membrane for 5 min. Then the tap must be opened for 30 min. to wash the CB postfilter.</p>	<p>When the RO membrane is being flushed, the water quality light is shown in red and flashing at 1Hz.</p> <p>When any other filter is being flushed, the water quality light displays real-time water quality data and flashes at 1Hz.</p>

# FILTERS SPECIFICATIONS

FILTER	CF · PRE-FILTER CARBON + PP		RO MEMBRANE	CB · POST-FILTER CHARCOAL
HALF	PP	CB	RO 800GPD	CB
FUNCTIONALITY	Removal of large particles, sediment, rust.	Elimination of color, odor, improvement of taste.  Removal of chlorine, carbon, tetrachlorine, methane.	Removal of heavy metals, microorganisms, bacteria, pesticides and antibiotics. Desalination: ≥ 90%	Removal of color, odor, improvement of taste.
PRECISION	10 microns	5 - 10 microns	0,0001 microns	2 - 5 microns
TOTAL CAPACITY	11.000 liters		20.000 liters	11.000 liters
CHANGE RECOMMENDED	12 months		60 months	12 months

# CUSTOMIZE YOUR EQUIPMENT

The RO Levante RO VYRTA can be supplied as neutral or branded equipment of your company.

Your brand here

