

OSMOKIT

Residential Reverse Osmosis



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OSMOKIT

This system uses household water pressure to reverse a natural physical process called osmosis. Water, under pressure, is forced through a semipermeable membrane where impurities are filtered out. Clean drinking water goes to the faucet or storage tank, while the impurities are sent to the drain.

This reverse osmosis system will provide you with a continuous supply of clear, delicious water for drinking, cooking and other uses. Having high quality RO water at hand eliminates the need to buy bottled water.

The storage tank holds up RO water for your needs.

This RO system is designed for installation under the sink, usually in the kitchen or bathroom. The RO system can be mounted on a wall surface or can lie on the cabinet floor next to the storage tank. The RO faucet installs on the sink, into the counter next to the sink or in the special bracket on the wall.

You can also install the system in any remote location from the faucet, observing the safety guides on page 8. You will need a nearby water supply and drain point.



HOW YOUR RO SYSTEM WORKS?

Meltblown Sediment Cartridge (prefilter) – STAGE 1

Water from the cold-water supply pipe enters the filter through sediment cartridge first. Sediment cartridge is the best solution to remove mechanical impurities such as: sand, fluvial silt, rust and other sediments that you may or may not be able to see in your water.

Block Carbon Cartridge CTO (prefilter) – STAGE 2 and STAGE 3

Block Carbon Cartridge use the ability to absorb chemical pollutants. Used for improving the quality of drinking water. Water flows through the entire filter bed for maximum absorption of pollutants. Block carbon cartridge improve the taste and smell of water, reducing organic impurities, chlorine and its poisonous derivatives, eliminate lead and other toxic heavy metals.

Reverse Osmosis Membrane – STAGE 4

The RO membrane is a tightly wound special membrane. The membrane removes the dissolved solids such as calcium carbonate, chlorides, nitrates etc. and organic matter when the water is forced through the cartridge. High quality product water exits the RO cartridge and goes to the storage tank or to the postfilter and RO faucet. Rejected water with the dissolved solids and organic matter is routed through the flow restrictor and to the drain.

Inline Activated carbon Cartridge (postfilter) – STAGE 5

This postfilter improves water taste and smell.



USE OF REVERSE OSMOSIS



• DRINK



• MAKE COFFEE



• COOK



	RO 105	RO 105 PUMP	RO 105 PUMP + UV
Height	44 cm	48 cm	52 cm
Width	38,5 cm	38,5 cm	
Depth	14,5 cm	18 cm	
Feed water pressure limits	2,5 – 4,0 bar		
Feed water temperature limits	5 – 35 °C		
Maximum total dissolved solids (TDS)	1000 ppm (*)		
Maximum chlorine content	0,3 ppm		
Feed water pH limits	02-nov		
Efficiency	50 GPD (**) 190 dm ³ / 24h		
Rejection of TDS (new membrane)	> 95 %		
Storage tank capacity	12,0 dm ³		
<i>(**) Pressure = 4 Bar Temperature = 25°C TDS = 250 ppm</i>			
Voltage	----	100 - 240V	
Power frequency	----	50/60 Hz	
<i>(*) Maximum levels:</i>			
- water hardness < 17 mg CaCO ₃			
- turbidity < 1NTU			
- SDI index <5			
- Fe < 0,01 mg/l			
- Mn < 0,05 mg/l			
- Si < 25 mg/l			



**RO105
5 STAGE RO UNIT**



**RO105 PUMP
5 STAGE RO UNIT +
BOOSTER PUMP**



**RO105 PUMP/ UV 5
STAGE RO UNIT +
BOOSTER PUMP +
UV STERILIZER**

