

purisys®

Superior Korean Technology

Advanced Reverse Osmosis and water filtration systems



Member
Water Quality
ASSOCIATION
USA
No : 1037027

Drink responsibly

What is Reverse Osmosis?

In simple terms, reverse osmosis is the process of pushing water through a filter that traps the impurities (bacteria, minerals and other contaminants) on one side and allows the pure water to be obtained from the other side. More formally, it is the process of forcing a solvent (water) from a region of high solute concentration (impurities) through a Thin film composite (TFC) membrane to a region of low solute concentration by applying a pressure. The membrane here is semipermeable, meaning it allows the passage of solvent (water) but not of solute (impurities). The membranes used for reverse osmosis have no pores, the separation takes place in a dense polymer layer of only microscopic thickness. In most cases the membrane is designed to only allow water to pass through.

The RO advantage

- Purifies water upto 99.9%.
- Improves taste of water by removing salinity.
- Makes water safe by removing finest impurities, Bacteria, viruses and chemicals.
- Storage tanks (wherever applicable) makes for Instant pure water.
- Makes water suitable for soaps, detergents, clothes by reducing the hardness of the water.
- Safe for babies as it removes hazardous chemicals from water.
- Water can be used for medicines, baby food etc.

Table to illustrate the benefits of Reverse Osmosis over ordinary filtration products

Contaminants removed by Excellaqua RO systems		Water treatment results comparison			
Material element	% removed	Contamination	Diseases caused	RO	Ultra violet ray purifiers
Bacteria	100	Sodium	Heart disease	Y	N
Cryosporidium	100	Calcium	Kidney stone	Y	N
Total dissolved solids	95	Magnesium	Kidney stone	Y	N
Sodium	92	Lead	Mental retardation	Y	N
Chlorides	90	Copper	Indigestion	Y	N
Copper	97	Nitrate	Dysentery	Y	N
Flouride	90	Bacteria	Bacterial disease	Y	Y
Lead	97	Pyrogen	Fever	Y	N
Potassium	92	Pesticide	Cancer	Y	N
Detergents	97	Flouride	Fluorosis	Y	N
Chromate	92	Arsenic	Poisoning	Y	N
Nickel	97				

Five stage purification process

Stage 1 ■
5 Micron Sediment Filter : It is effective in removing dirt, rust and sand particles.

Stage 2&3 ■
Granular activatec carbon with nano silver cum antiscalant balls : It takes out 99% of the chlorine and organic chemicals. It provides enhanced reduction of taste, odor, and color and ensures bacteria free water. the antiscalant balls keeps the water scale free and reduces the hardness.

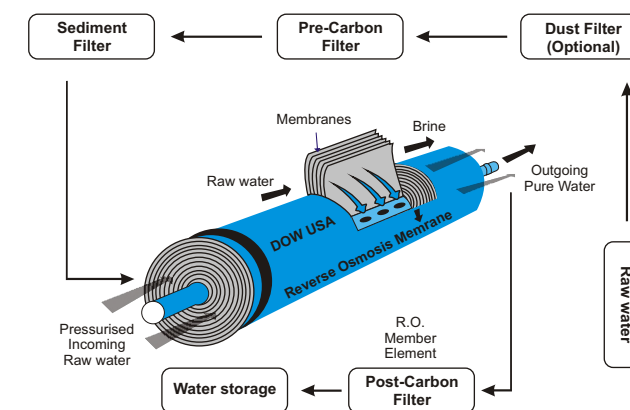
Stage 4 ■
1 Micron Sediment Filter : Provides effective filtration to protect your membrane. It provides for improved membrane performance up to 95% of TDS rejection.

Stage 5 ■
Reverse Osmosis Membrane: A thin film composite (TFC) high quality membrane that processes 50 gallons per day. It remove the following hard water contaminants that may be present in your water: lead, cooper, barium, chromium, mercury, sodium, cadmium, fluoride, nitrite, nitrate, and selenium.

Stage 6 ■
Three in One filter cartridge: This filter cartridge constitutes nano silver treated carbon, mineral stones and magnets to give us three benefits in one. the nano silver carbon post filter removes objectionable tastes and odors to enhance the quality of your drinking water. the mineral stones to retain essential minerals, and the magnets for improved health. This filter guaranties excellent taste of water with sound health.

Stage 7 (with compact models): ■
Outer filtration: special 11" filters and housing as external filtration for extra filtration and extended life of membrane and inner filters.

RO purification technology



Products



Crescent
Countertop Reverse Osmosis System



- Easy installation, just plug and drink.
- Self cleansing procedure.
- Smart microprocess control system which indicates when the filters need replacement.
- Complete 6 stage RO system with outer filtration.

Specifications

Production: 15 ltrs/hr
Water storage tank: 4.5gallons / 17 liters
With a transformer:
-Input in AC 110Volt, 220Volt or 240Volt (50/60Hz).
-Output in DC24V
Wattage: 30W
%Reduction in TDS: 90-95%
Recommended TDS input: Upto 2000 mg/ltr
Operation pressure: 10 -100 psi
Dimensions: (cm)36 (L) x 46(H) x 25 (W)
Weight: 12.5 kg



Cascade
Water dispenser

- Versatile RO system.
- Suitable for homes, offices, restaurants.
- Hot and cold water at your fingertips.
- Self cleansing procedure.
- Complete 7 stage RO system with outer filtration.

Specifications

Reservoir tank capacity: Hot tank: 1ltr, Cold: 4 ltrs
Cold water: 5-10 deg C
Hot water: 90-95 deg C
Dimensions: D-35.5cm/W-32.5cm/H-91.5cm
Weight: 18kgs (approx)
%Reduction in TDS: 90-95%
Recommended TDS input: 2000mg/ltr
Min. Water-Pressure: 0.3 kg/Cm²
Input power: 220 V AC 50 Hz(100-300V)
Booster Pump: DC Operated

Extra storage Jar as seen is available on request.



Purus

Countertop Reverse Osmosis System

- Compact and elegant RO system
- Self cleansing procedure
- Complete 7 stage RO system with outer filtration.

Specifications

Production: 15 ltrs/hr
 With a transformer:
 -Input in AC 110Volt, 220Volt or 240Volt.
 -Output in DC24V
 Wattage: 30W
 %Reduction in TDS: 90-95%
 Recommended TDS input:
 Upto 2000 mg/ltr
 Operation pressure: 10 -100 psi
 Size : 49.5(H) X 27.5(D) X 34.5(W)
 Weight : 12kgs
 Reservoir Tank : 10ltr



Procleen

Countertop Reverse Osmosis System

- Compact and elegant RO system
- Self cleansing procedure
- Complete 7 stage RO system with outer filtration.
- Wide application: Over the counter/ wall hanging
- Inbuilt transparent water tank to Indicate water reserve levels

Specifications

Production: 15 ltrs/hr
 Water storage tank: 7 liters
 With a transformer: -Input in AC 110Volt, 220Volt or 240Volt
 -Output in DC24V
 Wattage: 30W
 %Reduction in TDS: 90-95%
 Recommended TDS input: Upto 2000 mg/ltr
 Operation pressure: 10 -100 psi
 Dimensions: (cm)19.5 (D) x 46.5(H) x 34.2 (W)
 Weight: 11 kg

Oasis

Under the sink RO system



- 3.2 gallon NSF standard water storage tank.
- Self cleansing procedure.
- Complete 6 stage RO system.
- Under the sink application.
- Special 11inches filter and housing for extra filtration and extended life of membrane.
- Attractive looking long -reach chrome faucet.

Specifications

Production: 15 ltrs/hr
 Water storage tank: 3.2 gallon
 With a transformer: -Input in AC 110Volt, 220Volt or 240Volt
 -Output in DC24V
 Wattage: 30W
 %Reduction in TDS: 90-95%
 Recommended TDS input: Upto 2000 mg/ltr
 Operation pressure: 10 -100 psi
 Dimensions system: (cm)37(L) x 48(H) x 20 (W)
 Dimensions tank: (cm)28 (L) x 28(W) x 35 (H)
 Weight: 9 kg system
 4 kg tank

2 years warranty on all systems
 2 set of filters free under the warranty period

Crown

Wall hanging RO system



- Self cleansing procedure.
- Complete 6 stage RO system
Turns tap water into safe, good tasting and healthy.
- Special 11inches filter and housing for extra filtration and extended life of membrane.

Specifications

Production: 15 ltrs/hr
 With a transformer: -Input in AC 110V, 220V
 -Output in DC24V
 Wattage: 30W
 %Reduction in TDS: 90-95%
 Recommended TDS input: Upto 2000 mg/ltr
 Operation pressure: 10 -100 psi
 Dimensions system: (cm)21.8(D) x 45.5(H) x 36 (W)
 Weight: 9 kg system

More?

Visit our Dealer: Or contact us at purisys@watersupermart.com

Or simply write to us at:

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 Ph.: 011-45002022,45002024

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Authorised Dealer:



NanoSilver technology explained

Activated carbon has been widely used in water purification due to its high adsorption rates and capabilities. The inherent drawback of carbon materials, however, is that they have excellent bio-compatibility with bacteria. Bacteria breed on carbon during the purification process and when left overnight, thus making carbon materials themselves pollutants. We have developed a new kind of antibacterial substance which is safe and effective. It is done by coating SilverSol™ (an antibacterial coating agent produced using the latest nanotechnology from pure silver (Ag 99.99%).

Reasons to choose Purisys RO systems

- NanoSilver technology to ensure bacteria free water.
- Self cleansing procedure for extended life of membranes.
- 6/7 stage purification process.
- Unique 11 inch filters for additional purification and .
- extended life of internal filters.
- Strong and longer lasting filters and membranes.
- Smps power supply for power saving.
- Superior Korean technology.
- Mineral stone cartridges for retention of essential minerals.
- Magentised filter cartridges for sound health and peace of mind from water-borne diseases.
- 2 years warranty on all systems.
- 2 set of filters free under the warranty period.
- Good, prompt and professional after sales service.
- Easy availability nationwide.
- All systems are tested for 12 hours to ensure high performance in purification process.

