



# ***REVERSE OSMOSIS PURIFICATION SYSTEM***

## ***R-TE-4007/20***

Used to supply water with a high degree of purity, able to meet applications that require low levels of metals and dissolved salts and absence of microbiological contamination, being used in laboratories, to supply autoclaves, boilers, capillary cooling systems, cosmetics production, production of paints, supply of aquariums, among others. High-capacity membranes are used, which allow the production of purified water quickly, without wasting time.

## Technical Characteristics

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- Purification sequence: .;
- - Polypropylene filter: capacity to retain particles of up to 5 microns from raw water;
- - Activated carbon filter: has the ability to retain chlorine, odors and others;
- - Reverse osmosis membrane: has microscopic pores for ultra filtration, has the ability to retain heavy metals, chemical contaminants, viruses, bacteria, protozoa, algae and others;
- - Mixed resin filter: for demineralization (deionization) of water;
- - Pressurization: The system is pressurized to ensure the passage of water through the reverse osmosis membrane;
- Pressurization pump: Provides pressure above 3.5 bar;
- Water quality: Free from microorganisms and low in minerals and salts dissolved;
- Conductivity: Below 1.0  $\mu\text{S}/\text{cm}$  considering an inlet water of 180  $\mu\text{S}/\text{cm}$ ;
- Yield: 20 liters/hour;
- Pump casing: In carbon steel with anti-corrosive treatment and electrostatic painting;
- Cabinet: In aluminum coated with electrostatic paint;
- Pump housing dimensions: W=110 x D=110 x H=300 mm;
- Dimensions: W=370 x W=180 x H=390 mm;
- Power: 30 Watts;
- Voltage: 220 Volts;
- ACCOMPANIES: - 01 tap adapter - 01 Filter replacement key - Instruction Manual with Warranty Term- Instruction Manual with Warranty Term;

## Benefits and Advantages

- Plastic housing material, robust polypropylene construction, for chemical resistance against most acids, alcohol, ammonia, oils and other aggressive chemicals
- Withstand temperatures up to 50 °C
- Leak-proof "O" ring seal
- Reinforced walls with ribs for added strength
- Cartridges are resistant to bacteria, various chemicals, provide high particle retention capacity and extended life due to its large filtration area
- High quality membranes for superior performance and long life
- Hoses are made of low density linear non-toxic polyethylene. Depending on the manufacturer may be approved may be approved by FDA, SK, WRAS, ANSI, NSF-51, and others (indicate in consultation if necessary)
- Pressure gauge with a liquid silicone bath dial, resistant to UV radiation from the sun's rays, to prevent the pointer from oscillating in case of pulsating pressures
- Pressure gauge has double scale in psi and Kgf/cm<sup>2</sup>, stainless steel 304 body
- Removes the entire range of contaminants from the water
- Removes heavy metals such as barium, cadmium, chromium, lead, mercury, radium 226/228, selenium, chlorine, salts, cysts, bacteria, viruses, turbidity and more.