

**Pure water purification system Barnstead Pacific RO****Thermo Scientific****Pure water purification system Barnstead Pacific RO**

The Thermo Scientific Barnstead Pacific RO water purification systems are modularly designed laboratory reverse osmosis system for the production of 20L to 200L pure water from tap water. Applications include routine laboratory work: lab glassware rinsing, supplying autoclaves, water baths and incubators, preparing and diluting buffers and reagents. A 30L, 60L, or 100L polyethylene reservoir is required to store and dispense the permeate water.

**Product features:**

Space-saving design allows system to sit on the laboratory bench or be mounted on the wall. Simple system upgrade accommodates future pure water capacity requirements.

**Reliable operation:** Microprocessor control offers automatic operation with continual monitoring of all important parameters. Required filling level of the reservoir can be customized. Automatic return to operating mode ensures recirculation during periods of standstill.

**Easy-to-operate clear display:** Resistivity/conductivity clearly displayed on large back-lit control panel that tilts for optimum viewing. Status of current operating mode clearly indicates "production", "stand-by", "cleaning" modes. Reservoir fill-level shown as %.

**Integrated feed water monitoring:** Good quality feed water is a prerequisite for high purity water and extends cartridge service life.

**GLP-compliant documentation:** Real-time clock records system errors and faults. Ongoing data storage collects four weeks information displayed in clear text. Operating system is code-protected to prevent unauthorized changes to system settings. RS-232 interface with adjustable sender interval allows for customized timing of data transmission of measured values and faults to a PC or data printer. Cell constant of 0.16cm<sup>-1</sup> ensures precise conductivity measurements.

**Pacific RO pretreatment:** Two 10in. (25.4cm) cartridge



filter housings with a 5µm prefilter and activated carbon to prevent entry of particles >5µm and high concentrations of free chlorine includes hardness stabilizer cartridge which binds calcium and prevents its precipitation.

**Worry-free pure water storage:** Reservoir are constructed of pigment-free polyethylene. Conical bottom allows for easy cleaning, disinfecting and complete emptying.

Optional hand dispenser with flexible circulating line for dispensing water in a distance of up to 3 m. The kit contains a 0,2 µm end filter.

**Pure water specifications**

**Operating pressure: 2 to 6bar**

**Removal bacteria and particles: 99%**

**Removal anorganic components: 98%**

**Specifications**

**Power supply: 90-240 V/50 Hz, rubber connector 1.8m**

**Dimensions (W x D x H): 372 x 330 x 603mm**

**Feedwater connector: Tubing 1.5m with 8mm o.d. and R<sup>3</sup>/<sub>4</sub>" inner thread**

**Wastewater connector: 1/4" or 8mm o.d., tubing 2m, pressureless drain**

**Power consumption: 0.1kW**

Code	Description	Packaging
LLG09535533	Pure water purification system Barnstead Pacific RO, Type Pacific RO 12, Permeate 12 L/hr	1 pz.
LLG09535534	Pure water purification system Barnstead Pacific RO, Type Pacific RO 20, Permeate 20 L/hr	1 pz.
LLG09535532	Pure water purification system Barnstead Pacific RO, Type Pacific RO 7, Permeate 7 L/hr	1 pz.





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