WATER BUSINESS

EXPORT SKID

The Urban Pure Water System

EXPORT SKID is an industrial grade Reverse Osmosis water purification system. It is currently used throughout the domestic and international marketplace, answering the call for pure, quality, consumable drinking water as well as commercial use, whole house use, and any other purified water needs. The export skid is designed to operate in environments in which conditions are not optimal or there is high biological contamination, such as in many developing countries. The system is designed for use in any country for various water purification projects.

The Export skid water treatment system interfaces with additional compatible units, such as the Export filler, to accommodate your everyday water business needs.

These units provide you with a means to clean and sterilize containers efficiently; fill a variety of container sizes; and to dispense and sell your pure water product 24 hours a day. The system has everything needed for complete water purification and delivery with the exception of storage tanks, which are an option dependent on the system's application. The system can be mounted for portable use, such as with many emergency applications. The export skid is also applicable to tech industry applications, manufacturing processes, and beverage production processes.

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Water Purification Process

STEP 1 **Pre-Filtration**—removes particulate matter down to 20 microns.

STEP 2/3 **Carbon** —an activated carbon filter that removes chlorine, chloramine, solvents, lead, insecticides, gasses, and other harmful contaminants. Works as a water softener without the use of salt by drawing hardness particles together and crystallizing them.

STEP 4 **5 Micron Pre-Filter**—removes particles, sediment, and algae.

STEP 5 **R.O. Pump**—high pressure, stainless steel pump to boost water pressure to 160 lbs. for maximum membrane efficiency.

STEP 6 **Reverse Osmosis Membrane**—water is forced through semipermeable, .0002 micron membrane, allowing only pure water molecules to pass.

STEP 7 **Storage**—water is stored in FDA approved tanks.

STEP 8 **Repressurized System**—a 20 G.P.M. pressure pump assures contant water supply from storage tanks to post carbon filter, ultra-violet sterilizer, and faucets.

STEP 9 **Pressure Tank**—33-gallon pressure tank assures a constant flow of water to the filler and prolongs pump life.

STEP 10 **Post-Carbon Filtration**—water travels through 1 Post Carbon filter polishing it for exceptionally smooth taste.

STEP 11 **Ultraviolet Sterilizer**—stainless steel sterilizer eliminates up to 99.9% of all bacteria.

STEP 12-optional—ozone may be added to water storage tanks to prevent future bacterial growth.

Features

- Powder coated steel frame— Aluminum diamond base late
- Pre-wired electrical panel— Circuit breaker
- Automatic Flush
- LIGHTS— Power on; system running; low pressure with auto cut off
- Stainless steel R.O. booster pump
- Dual lever R.O. controls
- Pre and post filter gauges
- Automatic tank level controls
- Waste and product flow meters
- Pressure pump— 20 G.P.M.
- Ultraviolet sterilization light
- Stainless steel membrane housings
- 20" big blue cartridge pre-filtration filters— Easy maintenance
- All components and materials are either NSF/FDA/UL/ETL approved

Options

- Ozone Generator
- Ozone recirculation system
- Feed water pump
- UV recirculation system
- System run-time meter

Model	GPD/LPD	Dimensions	Weight
EX-1	1,500/5625	99L x 30W x 74H	475 lbs.
EX-2	3,000/11,250	99L x 30W x 74H	500 lbs.
EX-3	4,500/16,875	99L x 30W x 74H	525 lbs.
EX-4	6,000/22,500	99L x 30W x 74H	550 lbs.

Specifications

- **Feed water:** Temperature: 85°
  Pressure: 40-80 psi
  Operating pressure: 160 psi
  Total Dissolved Solids (TDS): 2000 ppm
- **Tolerance:** Iron: 0.5 ppm
  Silica: 25 ppm@50% recovery
  pH range: 3–11
- **Water recovery**—up to 60%
- **Salt rejection**—90-98%+