

# Mini Skid



Model	Gallons per day	Liters per day
<b>MS-1</b>	1,500	5,625
<b>MS-2</b>	3,000	11,250

The Mini Skid is a smaller version of our Diamond Skid. This economical purification system has everything needed to produce and deliver pure drinking water. The system will work well for a mini water store, bottling plant or as an add-on to an existing business. Due to the Mini Skid compact size, it takes up less floor space and will interface with additional compatible units to accommodate your everyday business need.

## Purification Process:

**STEP 1:** Carbon - an activated carbon cartridge filter that removes chlorine, chloramine, solvents, lead, insecticides, gases, and other harmful contaminants. Works as a water softener, without the use of salt and drawing hardness particles together and crystallizing them. Includes an automatic backwashing system.

**STEP 2:** 5 Micron Pre-Filter - removes particles, sediments, and algae.

**STEP 3:** R.O. Pump - high pressure, stainless steel pump to boost water pressure to 150 lbs. for maximum membrane efficiency.

**STEP 4:** Reverse Osmosis Membrane - water is forced through a semi permeable, .0002 micron membrane, allowing only pure water molecules to pass.

**STEP 5:** Storage - water is stored in FDA approved tanks.

**STEP 6:** Re-pressure System - 18 GPM .

**STEP 7:** Post Carbon Filtration - water travels through a 4.5in x 20in coconut shell carbon block filter, polishing it for an exceptionally smooth taste.

**STEP 8:** Ultraviolet Sterilizer eliminates up to 99.9% of all bacteria.

# Mini Skid

## Features:

Powder coated steel frame  
Pre-wired electrical panel  
Carbon Pretreatment  
5 Micron Pre-Filter: 4"x10" cartridge  
Electronic Inlet Valve  
High Pressure R.O. pump  
Stainless Steel Membrane housing  
Waste, Product, and Recycle stainless steel valves  
Waste, Product, and Recycle meters  
Pre and post filter gauges  
Waste and recycle valves  
Product and waste flow meters  
All components and materials are either NSF/  
FDA/UL/ETL approved

## Options:

Feed Pump  
TDS meter  
Water meter

## Specifications:

Feed water:

- Temperature: 35°-85°
- Pressure: 40-80 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%+

