

BKI 1000 Commercial/Industrial RO Unit



- Fully Equipped and Customizable
- Higher Recovery Rates
- Surgical steel membrane housings (not shown)
- Lower Energy Consumption
- High Flow Low-Energy Membranes
- Lower Maintenance
- Compact Space Saving Design
- Individually Wet Tested and Sanitized
- Four units to choose from ranging 500 to 4000 GPD
- 10 Year Conditional Warranty
- Made in the U.S.A.

Standard Features:

- Membrane: Three 2.5" x 21" TFC HF1 Membranes – For maximum rejection of impurities and high flow.
- Membrane Housing: Three 2.5" x 21" surgical steel Membrane Housings – Features a patented design and requires no tools when servicing.
- Pump: One 3.2 GPM Brass Rotary Vane Pump – Directly couples to the motor and is designed for continuous high pressures.
- Motor: One 1/2 HP Motor 110 or 220 Volt 50 or 60 Hertz
- Frame: One Aluminum White Powder Coated Frame – Corrosion resistant and light weight.
- Sediment Filter: One 4.5" x 10" 5 Micron Sediment Filter – Removes sediments and protects the system.
- Carbon Block: One 4.5" x 10" 10 Micron Carbon Block – Removes Chlorine, odor, and taste from the feed water.
- Filter Housing: Two 4.5" x 10" Double O-Ring Filter Housings – Offers durability and improved sealing capabilities.
- Pressure Gauges: One 2.5" 0-300 PSI Panel Mount Glycerin Filled Gauge and Two 1.5" 0-160 PSI Bottom Mount Dry Gauges – For monitoring the system's operating pressure and the filter & carbon operating pressure.
- Low Pressure Switch: One Low Pressure Switch – Safety device which protects the pump from running dry when there is insufficient feed water pressure.
- Solenoid Valve: One Solenoid Valve with Manual Override 110 or 220 Volt 50 or 60 Hertz – Assists with the on/off functionality of the system.
- Manual Flush Valve: One 1/4" Brass Needle Valve – Regulates the product to waste ratio (system's recovery).
- Switch: One Manual On and Off Switch
- Easy Maintenance & Operation: BelKraft reverse osmosis systems feature a compact design and have all of their components strategically located for easy access and inspection.

BKI 1000 GPD Commercial RO System

- BKI 1000 System purifies 1,000 Gallons Per Day (41.6 Gallons Per Hour) - @ **77° F.**, 550 TDS
- Uses (3) **2521 HF1** (150 PSI) **Membranes** (polyamide) rated for a typical Salt Rejection of 98.5 %. Typically replace every 3-4 years.
- Motor HP: 1/2 HP Continuous Duty Fluid-O-Tech brass rotary vane pressure booster pump
- Connections: Feed: 3/4" Product: 3/8" Waste: 3/8"
- Individually Tested** for several functions before shipping
- Made in USA with 1 year Manufacturer Warranty and 10 year conditional warrantee.**
- Shipping billed separate.

BKI 1000 Options:

- Install Product Flow Meter** onto system.
- Install Concentrate Flow Meter** onto system.
- Float Switch** for Atmospheric Tanks only. Shuts off when your atmospheric water tank is full.
- High Pressure Switch** for Pressure Tanks only (on at 40 PSI/off at 60 PSI)
- Upgrade HF1 Membranes** (Low Energy - 150 PSI, 98.5 % Salt Rejection) **to HF4 Membranes** (Extra Low Energy - 100 PSI, 98.5% Salt Rejection)
- Install Concentrate Recirculate with Flow Meter** onto system
- Install HM Digital **Panel Mount Dual TDS Meter** PS-200
- Hand Held Digital **Pocket TDS Meter**
- Hand Held Digital **Pocket TDS Meter**
- Upgrade PVC Membrane Housings to **Stainless Steel Membrane Housings**
- Upgrade Brass Rotary Vane **Pump to Stainless Steel** Rotary Vane Pump (especially for low pH and high chlorides)

BKI 1000 Replacement Cartridges/Membranes:

- Extra **5 micron Sediment Filter**, 4.5"x10" spun polypropylene
- Extra **10 micron Carbon Block**,4.5x10", (12,000 Gal. Chlorine Capacity)
- Replacement [Standard] **HF1** (High Flow Low Energy-150 PSI) **RO Membranes**, Uses **(3)** TFC 2521 **HF1** RO Membranes (Replace typically every 3-5 years.) **Notice:** Based on your water chemistry, we may ship you a BKI1000 will upgraded membranes. Refer to your receipt.
- Replacement [Upgraded] **HF4 RO Membranes** if your system requires **HF4** membranes. Uses **(3)** TFC 2521 **HF4** RO Membranes (Replace typically every 3-5 years.)

System Specifications

Model - BKI 1000

Design - Vertical

Gallons Per Day - 1000 @ 77 °F

Dimensions (Approx.) - 14" x 20" x 27"

Weight (Approx.) - 80 lbs.

Concentrate Re-Circulate - Optional

Auto-Flush - N/A

Element Size (in.) - 2521 TFC HF1

Elements (Qty.) - 3

Motor HP - 1/2

Voltage - 110 or 220

Hertz - 50 or 60

Feed Connection - 3/4"

Product Connection - 3/8"

Waste Connection - 3/8"

For information and service call
1-877-523-7800

System Operating Specifications

Minimum Feed Pressure - 35 psi

Minimum NaCl % Rejection - 96%

Minimum Feed (GPM) - 1.5

Maximum Hardness - 15 Grains/Gallon

Maximum TDS - 2000 ppm

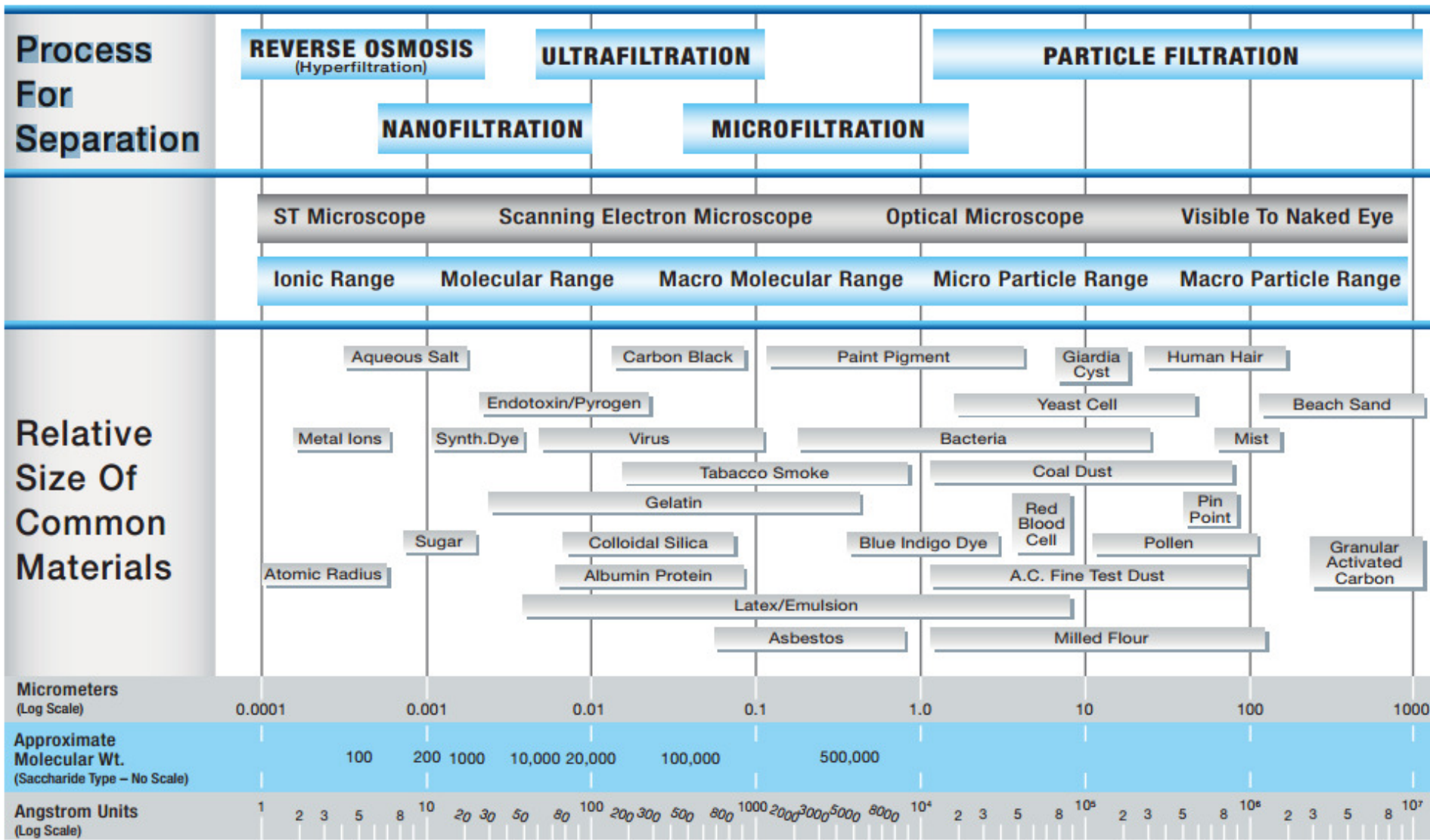
Operating Pressure - 150 psi

Nominal NaCl % Rejection - 98.5%

Maximum Feed (GPM) - 3

pH Range - 3 to 11

Maximum Temperature - 105 °F



NOTE: 1 Micron (1 X 10⁻⁶ Meters) = 4 X 10⁻⁵ Inches (0.00004 Inches)

1 Angstrom Unit = 10⁻¹⁰ Meters = 10⁻⁴ Micrometers (Microns)