



Polar Bear Water Group

VC6000 Commercial Distillation System

Produces up to 6000 gal (22,712 L) of fresh pure water a day

The VC6000 Commercial Distiller from Polar Bear effectively and efficiently duplicates nature's distillation process to provide 6000 gallons a day (22,712 litres) of high quality, distilled water at the lowest possible cost.

All Polar Bear distillation systems, including the VC6000, are designed specifically for maximum operating efficiency. Normal operation requires only 0.085 Kw/H of electrical power to produce one gallon (3.78 L) of distilled water. Many competing distillation systems can use up to eight gallons (30.24 L) of reject water for every gallon (3.9 L) of water they distill, but the VC6000 produces nearly six gallons (22.7 L) of water for every one gallon (3.78 L) of reject water.



The VC6000 is easy to install. Solid-state controls mean reliability, dependability and ease of operation. Minimal preventive maintenance is required. Removable exterior panels allow full access to internal components for quick, easy servicing. An advanced compressor rotor design and rugged manufacture provide the strength required for a long, durable, trouble-free life, while being extremely light. Compressor bearings are high-speed, self-aligning oil-filled type for long life, easy maintenance and quick replacement.

Other VC6000 design enhancements include:

- Unique water seal that requires less adjustment
- Oil-filled bearings for longer life, with visual level readings at each bearing
- Unique rotor design and tough construction, for improved reliability and longer life
- Thermal fuses protect compressor hardware in unlikely case of bearing overheating
- Baffle design increases separation of feedwater droplets from steam, providing superior product water
- Tube-in-tube heat exchangers for condensate and blow down for very efficient heat transfer to incoming feedwater, and for low power consumption per gallon.
- Specially designed condenser facilitates efficient venting and volatiles removal.
- User-friendly front control panel for fast checking of operational status
- Unique external disillate and blow down flow meters for instantaneous feedback on distiller output status

Web Site: www.4superiorwater.com

Email: mhall@4superiorwater.com

Ph: (303) 499-9769 Fax: (720) 304-3814

P.O. Box 18883, Boulder, CO 80308



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Dimensions

Height: 90 in (229 cm)
Depth: 92 in (234 cm)

Width: 74 in (188 cm)
Weight: 7,000 lb (3,178 kg)

Operating Specifications

Product Water per day:	6,000 gal. (22,800 L)
Reject Water per day:	1,000 gal. (3,800 L) *
Kw/H of Electricity:	0.085 per gal.(0.022 per litre)*
Electrical Service Required:	220 volt, 60 Hz 3-phase, 125 amps 380-415 volts, 50 Hz 3-phase, 80 amps

* Actual power consumption depends on environment and adjustments.

Note: Polar Bear reserves the right to change specifications without prior notification.

All specifications are approximate ($\pm 10\%$)

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