

# VC6000 Commercial Distillation System

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

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

All Norland 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 distillate and blow down flow meters for instantaneous feedback on distiller output status

**Your  
*Complete*  
Source**

**Norland Int'l. Inc.**

### Dimensions

Height	90 in (229 cm)
Width	74 in (188 cm)
Depth	92 in (234 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: Norland reserves the right to change specifications without prior notification. All specifications are approximate ( $\pm 10\%$ ).

### ***Norland Int'l. Inc.***

Your *Complete* Source

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*Quick checks of operational status are made easy by user-friendly front control panel.*



*Unique flow meters provide quick feedback on distiller output status.*



*Tube-in-tube heat exchangers provide highly efficient heat transfer to incoming feed-water for power consumption per gallon as low as .085 Kw/H.*