



*Improving the Quality of Life
by Improving the Quality of Water™*

Pure Water C-50 Automatic Water Distiller

Deluxe Commercial Water Distillation System



- Produces 99.9% Pure Water
- Produces Up to 50 Gallons Per Day
- 50 Gallon Built-in Stainless Steel Storage Tank
- Air-Cooled or Water-Cooled Condensing Options
- Constant Purity Monitoring
- Readable Control Panel
- Commercial Blower for Cooling
- Mercury Contactor for Heaters
- Double Shell Housing
- Distilled Water Purity Lockout
- Built-in Drain Valve for Contaminant Removal
- Energy Recovery (optional)
- Circuit Board
- 304-Grade Stainless Steel
- Integrated Distilled Water Pump
- Security Lock on Unit
- Easily Networked
- Easy Installation
- Simple Operation
- Minimal Maintenance
- Small Footprint
- Integrated Wheels for Mobility
- Certified to CSA/UL Standards



Convenient, Consistent, High Purity Water

The C-50 produces up to 50 gallons of distilled water daily. This unit has multiple applications, providing water for laboratories, hospitals, schools, food processors, bottling plants, apartment buildings and much more. This unit can be customized to meet user specifications.

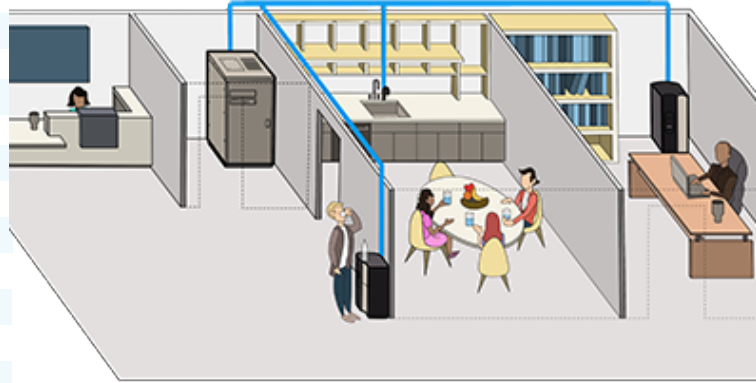


Pure & Secure, LLC • 4511 NW 42nd Street Lincoln, NE 68524
Ph: 402-467-9300 • 1-800-875-5915 • Fax: 402-467-9393
www.MyPureWater.com • info@mypurewater.com

C-50 Water Distiller

Specifications

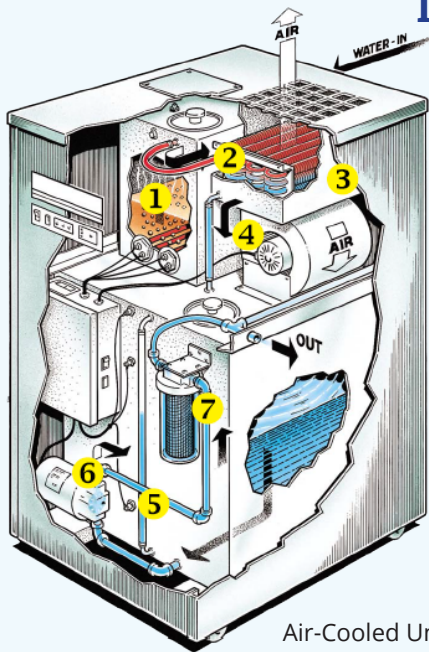
air-cooled model	31999
water-cooled model	31999W
width	25" (64 cm)
depth	31.5" (80 cm)
height	47.5" (121 cm)
machine weight	275 lbs (125 kg)
power requirements	50 amp, 240 volt, 1 Ph AC 50/60
heating elements	1x3,000 & 1x3,500 watt*
max. daily production	50 gallons (189 L)
storage tank	50 gallons (189 L)
feed-water supply	minimum 1/2" (1.27 cm) feed
feed-water supply pressure	30 PSI minimum
venting (air cooled only)	minimum air-flow of 350 CFM
feed-water quality	softened water required**



C-50 installed in mechanical room, plumbed to bottleless coolers, and auxiliary faucet at the sink to provide employees and clients with pure fresh drinking water.

*Standard: can be modified for local conditions. **Softened water required for water-cooled model, recommended for air-cooled model.

The Purification Process

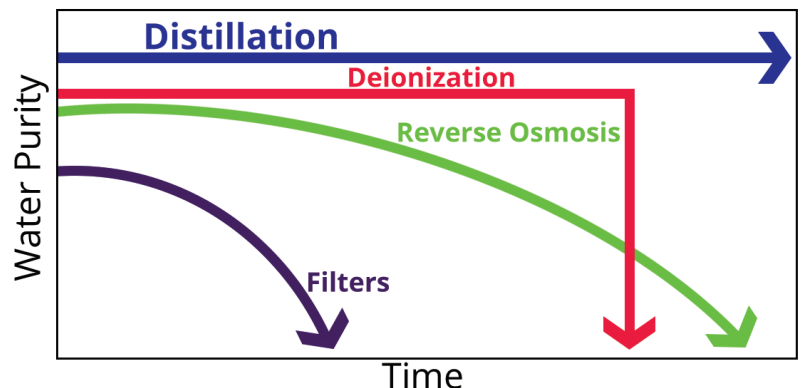


Air-Cooled Unit Shown Above

- 1 Water is drawn into the boiling chamber.
- 2 Steam rises and enters the condenser where it is cooled by forced air or water based on unit.
- 3 Steam is converted to distilled water.
- 4 Distilled Water is collected in the storage tank.
- 5 Distilled Water is monitored for purity.
- 6 Steam distilled water is removed from the tank by a pump.
- 7 A carbon post-filter completes the purification process.

Distillation Effectiveness Over Time

Over time, distillation provides the highest water purity and outperforms filters, reverse osmosis or deionization. Call us for a cost analysis.



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