

SPECIFICATIONS

Power requirements 50 amp, 240 volt, alternating current (AC)
Heating elements (standard)..... One 3,000 watt, one 3,500 watt
Feed Water Quality Softened water recommended
Feed Water Supply Minimum 1/2" (1.27 cm) feed line at 30 psi
Product Water Quality Meets standard of the U.S. Pharmacopoeia
Venting..... Provide minimum air-flow of 350 cubic feet per minute (cfm)

Construction Materials:

	<u>standard</u>	<u>optional</u>
Boiling Chamber	304 stainless steel	316 stainless steel
Condensing Coil	304 stainless steel	
Storage Tank	304 stainless steel	316 stainless steel
Cabinet	304 stainless steel	

Rated Distilled Water Production 50 U.S. gallons (189 litres) per day
Distilled Water Supply 3 gallons per minute through standard pump

Weight:

Unit Empty 195 lbs. (88.5 kg)
Shipping Weight 238 lbs. (108 kg)
Storage Tank Full..... 655 lbs. (297 kg)

Unit Dimensions:

Height..... 47.5 inches (121 cm)
Width 24.5 inches (62.2 cm)
Depth..... 31.5 inches (80 cm)

ACCESSORIES & PARTS

A full range of accessories and parts for the C-50 Commercial Distillation System is available. A partial list includes softeners; activated carbon filters; pumps; dispenser with and without ultra violet; universal hook-up kit; tubing; fittings; and individual parts for the unit.

Warranty . . .
Your dealer will provide you with details of the warranty.

AVAILABLE FROM:

PURE WATER, INC.
3725 Touzalin Ave., Lincoln, NE 68507
Phone: 402/467-9300 ♦ Fax: 402/467-9393

C-50™

Commercial Distillation System



High-quality distilled
water for commercial
and institutional
applications



PURE WATER, INC.

"Improving the Quality of Life Through the Quality of Water — Worldwide"

Pure Water distillation systems are in daily use in all fifty states of the U.S.A. and in more than 120 countries around the world. Hundreds of thousands of Pure Water systems have been sold and that number is growing daily.

Dozens of U.S. Embassies and Embassy personnel around the world rely on Pure

Water distillation systems to provide high-purity water. Many multi-national companies, such as Mobil, Chevron, Amoco Exploration, Shell Oil, Westinghouse and Uniroyal, utilize Pure Water, Inc. equipment as do government agencies, hospitals, clinics and health professionals. □

DISTILLATION

Nature's Process of Water Purification

Every day nature is turning salty sea water into fresh rain water through a process of evaporation and precipitation. This is the basis of the distillation process — water is boiled thus killing the microbiological contaminants. The steam rises leaving behind virtually all of the contaminants in the water.

The steam is separated and condensed to form high-purity distilled water. Distilled water meets the purity requirements of the U.S. Pharmacopoeia and can be used for drinking, cooking and a host of commercial and institutional uses. □

HOW IT WORKS!

Feed water automatically enters the boiling chamber where it is heated with dual heating elements. The steam rises and enters the patented condenser where cool air from the blower fan cools the steam and converts it to distilled water. The distilled water flows into the fifty gallon stainless steel storage tank where it is monitored for purity and water level by the solid-state control

system. The distilled water is pumped through a demand pump and post-filter to the intended point of use.

The C-50 has an easy access door with a control panel. For security purposes, this door can be locked. □

FEATURES AND BENEFITS

Produces high quality distilled water . . .

Distilled water meets the specifications of U.S. Pharmacopeia.

Up to 50 U.S. gallon per day capacity . . .

Dual, interchangeable heating elements provide consistent production regardless of location.

Consistent purity . . .

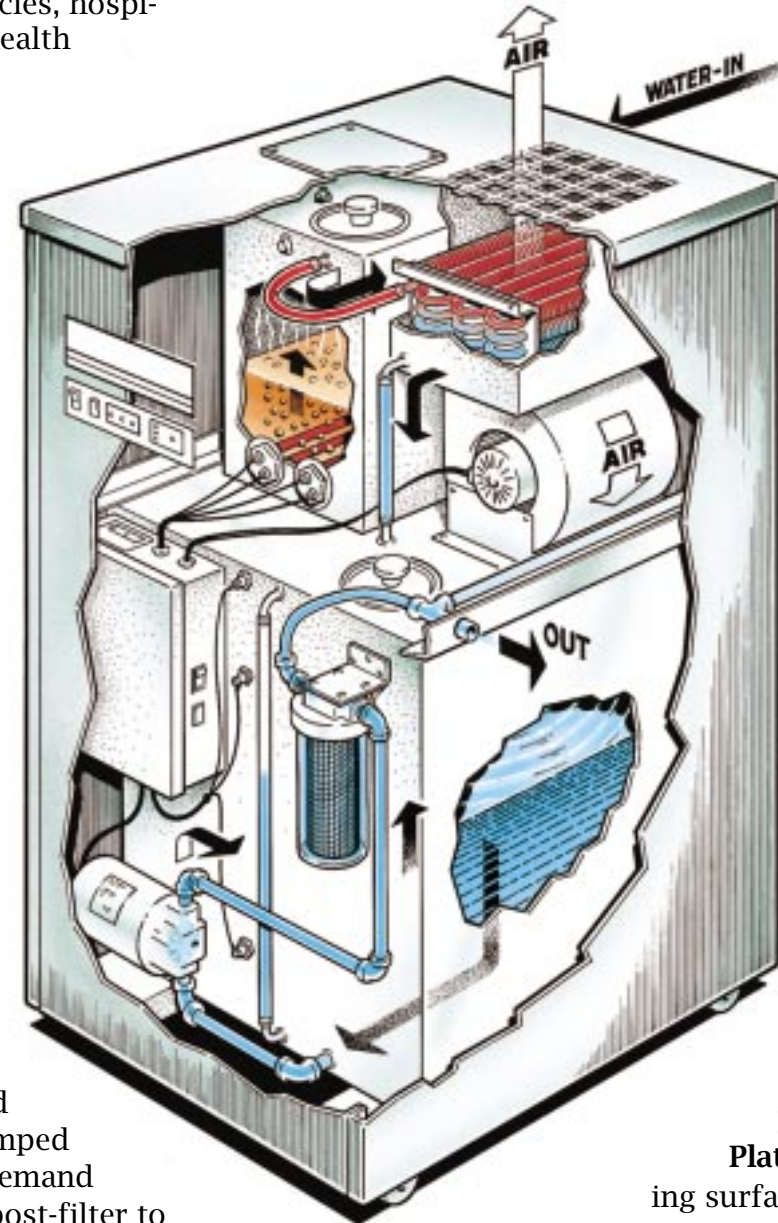
Designed with purity alert protection. If water purity deviates, the system automatically shuts down.

Compact . . .

Small enough to fit in limited space application.

Easy to install . . .

Designed with quick-connect fittings for ease of installation.



Inexpensive . . .

Quality and functionality at an affordable price.

Patented . . .

Unique designs covered by the following U.S. and Canadian patents: 4,805,692; 4,906,337; DES.306,338; 4,888,097.

Quality construction . . .

Food-grade 304 stainless steel used throughout. 316 stainless steel available on special order.

Reliable operation . . .

Solid-state controls result in reliable performance.

Low maintenance . . .

Worldwide experience has shown the C-50 to have remarkably low maintenance.

Ease of service and repair . . .

Designed for ease of access.

Optional deionization system . . .

A C-50 with an integrated DI system built-in. This system will produce 16 megaohm water that meets ASTM Class 1 requirements, as well as USP requirements. This ultra-pure water meets the needs of Pharmaceutical and Medical/Laboratory environments. □

APPLICATIONS

In addition to drinking water:

Laboratories — for analytical, utensil washing.

Restaurants — for food preparation, steamers.

Plating Industries — for cleaning surfaces.

Schools — for laboratory uses, food preparation.

Rest Homes — for humidification, food preparation.

Photography Businesses — for photographic processing.

Dental Clinics — for sterilization, oral irrigation, dental equipment.

Coffee Service — drinking water for coffee machines.

Medical Applications — for medical procedures, photographic processing.

Cosmetic Companies — for preparations, laboratory uses, process water.

Pharmaceutical Industry — for preparations, laboratory uses, process water.

Hospitals — for laboratory uses, food preparation, humidification, medical procedures.

Electronic Industries — for cleaning electronic items, process water. □