

# EZEKLEEN 2.5 HD

4 - ST A G E U L T R A C L E A N W A T E R S Y S T E M



## Quality water Onsite for your Autoclave & Closed Water Systems quickly and affordably

The Ezee Kleen 2.5 HD is designed for offices in geographic areas having tap water mineral levels > 100 PPM (mg/L) or offices using high volumes of water. For geographic areas having tap water mineral levels < 100 PPM (mg/L) or smaller offices consider the Ezee Kleen 2.5 Distillation Alternative.

*Contact Oasis Dental Group Inc. for assistance in determining tap water mineral levels and the appropriate unit for your office.*





### The Ezee Kleen 2.5 HD will:

- Produce 1 gallon (4 litres) of autoclave-safe water in approximately 4 minutes!
- Self monitor for consistent water quality (Unlike bottled water)
- Destroy bacteria, viruses, and other harmful microorganisms
- Reduce suspended solids (organic & inorganic)
- Ensure you never run out of water for your autoclaves
- Eliminate last-minute store runs for water
- Eliminate bulky storage of bottles
- Reduce maintenance and equipment failure
- Save Money!!!
- Produce onsite, water of the quality necessary to comply with all autoclave manufacturer's TDS level guidelines

**An Innovative product for the cost effective and efficient dental practice of today.**



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 <b>COMPARE</b> <b>EZEKLEEN 2.5 HD</b> <small>4-STAGE ULTRA CLEAN WATER SYSTEM</small> <b>to On-Site Distillation &amp; Bottled Distilled Water</b>	<b>Ezee Kleen 2.5 HD</b> 	<b>On-Site Distiller</b> 	<b>Bottled Distilled Water</b> 
Meets & exceeds autoclave manufacturers specifications	Yes $\leq$ 2.5 PPM (mg/L)	? - possibly, if properly maintained	Inconsistent
Time required to produce 1 gallon of water	4 minutes	4-8 hours	Time required to pick up water at retail outlet
Energy requirements	Nominal Monitor: 12VDC/500mA UV Cartridge: 44VAC/6W	4-8 hours of electricity $\approx$ 5-12 kWh @ 10¢ = \$0.50-\$1.20/ gallon <sup>a</sup>	Staff down time - Gas required for vehicle
Convenience	Under Counter Installation	Countertop space needed	Space required to store full & empty bottles
Microbial Reduction	UV Sterilization at 32,000-35,000 (w-sec/cm <sup>2</sup> )	? - Possibly if properly maintained	Inconsistent

## FEATURES & SPECIFICATIONS

**WATER ON DEMAND - NEVER RUN OUT!** The Ezee Kleen 2.5 HD produces water on demand at a flow rate of 1 gallon (4 litres) in 4 minutes eliminating the need for storage of bottles or runs to the store.

**ENERGY EFFICIENT!** Powered by a 12VDC/500mA monitor transformer and a 44VAC/6W UV Cartridge transformer the Ezee Kleen 2.5 HD is extremely energy efficient operating for pennies a day. Generates no heat to to present hazardous fire concerns or discomfort to staff and patients.

**MAXIMIZE EFFICIENCY AND LIFE OF AUTOCLAVE EQUIPMENT!** The Ezee Kleen 2.5 HD comes complete with 1 Prefiltration cartridge, 1 RO cartridge, 1 mixed bed DI resin cartridge and 1 UV cartridge that bring your TDS levels to as low as 0.4 PPM (mg/L) ensuring your equipment does not become clogged with mineral

scale that can cause malfunction, increased energy usage and shortened life. (Autoclave manufacturers recommend water quality of less than 5.0 PPM (mg/L) is ideal for maximum efficiency and life.)

### PROVIDE PUREST OF WATER POSSIBLE FOR CONTAINED DENTAL UNIT WATER SYSTEMS!

No microbes means less chance of biofilm growth to begin in the first place, slower growth if it does occur. Reduce chemical treatment frequency on your dental lines to save time, money and deterioration of lines and equipment from exposure to harsh chemicals. Reduce the change frequency of micro-filtration cartridges on your dental lines saving time and money.

**FAST SIMPLE INSTALLATION AND USE!** Unit comes ready for use with all necessary components for under counter installation. Estimated installation time: 2 hours.

**SECONDS TO CHANGE CARTRIDGES & NO MESS!** Staff members can easily change cartridges. Cartridges are self contained sealed units with quick connect fittings allowing easy cartridge change out that take seconds and no exposure to contaminants.

**APPROVED COMPONENTRY AND ONE YEAR WARRANTY!** All components are UL/CSA approved, made of FDA approved material, and require no MSDS reporting. The Ezee Kleen 2.5 HD comes complete with one year parts and labour (excluding cartridges) return to depot warranty.

**NO MORE GUESSING WATER QUALITY!** The Ezee Kleen 2.5 HD self monitoring meter presents a digital read out of water quality. A red light will begin to flash as a secondary indication when levels exceed 2.5 PPM (mg/L) indicating a cartridge change is needed.

<b>Gallon Production<sup>b</sup> of EZEKLEEN 2.5 HD DI Cartridge based on PPM* (mg/L) of TDS** in Tap Water</b>		
TDS Levels	Production US Gallons (Litres)	Production with XL DI US Gallons (Litres)
100 (1)	529 (2000)	2192 (8285)
200	264 (1000)	1095 (4143)
400 (2)	132 (500)	548 (2071)
800	66 (250)	274 (1036)

\* PPM = Parts Per Million = mg/L \*\*TDS = Total Dissolved Solids  
Actual gallon production from EZEKLEEN 2.5 HD DI Cartridge will depend on TDS levels in source tap water and other contaminants.

(1) Ezee Kleen 2.5 Distillation Alternative is more cost efficient in areas where TDS < 100 PPM (mg/L)

(2) In geographic areas where TDS is > 400 PPM (mg/L) use of the 8002-XL DI Cartridge will reduce DI Cartridge change frequency and improve cost per gallon.

### Unit Options

**8000 Ezee Kleen 2.5 HD** - 12VDC 500mA & 44VAC/ 6W North American Format

**8000-XL Ezee Kleen 2.5 HD XL** - for geographic areas having tap water dissolved mineral levels > 400 mg/L; Complete with 8002-XL-KIT

**8000-14 Ezee Kleen 2.5 HD with 14 Gallon Tank** - for large offices going through high volumes of water. (Contact Oasis Dental Group Inc. for tank sizes in excess of 14 gallons.)

**8000-EUR Ezee Kleen 2.5 HD Euro** - 220V 50hz & 44VAC/ 6W European Format

### Replacement Cartridges

**8002-FR DI Cartridge** - mixed bed DI resins remove dissolved solids and bring the quality of the water to as low as .04 PPM of total dissolved solids. Change when monitor indicates (> 5.00 with water flowing.) Red light will flash as secondary indication.

**8003 Prefiltration Cartridge** - granular activated carbon filter which removes impurities that affect the aesthetic quality of water and prepares the water for RO processing. Change annually.

**8004 RO Cartridge** - removes 90-95% of organic material such as algae, bacteria, amoebae etc. and suspended solids such as sand, silt, metal particles (rust flakes) etc.. Change bi-annually (every two years)

**8005 UV Cartridge** - High powered, energy efficient 32,000 w-sec/cm<sup>2</sup> ultraviolet radiation destroys bacteria, viruses and other micro-organisms by interfering with the DNA and RNA in the organisms reproductive cycle. Change annually.

### Cartridge Options

Recommended for geographic areas having tap water dissolved mineral levels > 400 mg/L or for offices using high volumes of water. Change with 8002-FR when monitor indicates (> 5.00 with water flowing.)

**8002-XL-KIT Extra Large DI Cartridge Kit** - Contains all parts to install XL DI Cartridge for the first time (cartridge included.) Replace with 8002-XL

**8002-XL Extra Large DI Cartridge** - Reduce change frequency of Ezee Kleen 2.5 HD DI Cartridge (8002-FR) by as much as 5 times and improve cost/gal



Unit Dimensions: 16"H x 12"W x 6"D/ 41cm x 30cm x 15cm  
Tank Dimensions: 12" D x 17" H/ 31cm D x 43cm H  
Weight: 27 lbs/ 12 kg

a. Information is for comparative purposes only and believed to be accurate based on calculations by Oasis Dental Group Inc., July 2011. Actual energy costs will vary.

b. These data are believed to be reliable but do not imply any warranty or performance guarantee. Actual performance will vary. Microbial testing may be appropriate to determine suitability of water for intended use.