



O-SO PURE Dental Water Solutions

MINERAL MIZER

Deionized Water Supply

Endless distilled-quality water in your sterilization center!



Mineral Mizer II (DWS-SADI-D)
shown with optional slim tank (DWS-TKSWAP)



Mineral Mizer Classic (DWS-SADI)
shown with standard tank

Features

- Produces deionized (mineral-free*) water for use in modern autoclaves and sterilizers. This water can be used for all distilled water applications.
- Uses no electricity. Powered by municipal water pressure.
- Battery powered water quality monitor advises when it's time to change the filters.
- Works directly from municipal water. Produces 2 - 3 gallons per hour.
- Mineral Mizer II dispenses up to 15 feet directly into autoclave and sterilizer water reservoir.
- Mounts in equipment room or sterilization center cabinet. A-dec's Preference ICC Sterilization Center MSMD cabinet contains factory installed mounting hardware for the Mineral Mizer II.
- Tank capacity and faucet options.

Benefits

- Economical – Creates better-than-distilled quality water directly from your municipal water supply for less than the cost of delivered bottled water.
- Reduce maintenance - Eliminates autoclave scale, increasing boiler energy efficiency.
- Green – Eliminate energy and landfill waste of distilled water.
- Labor saving – Eliminates trips to purchase or deliver bottled distilled water.
- Space saving – Reclaim your bottled water storage area.
- Reduce risk – Eliminate injuries from lifting heavy water bottles.

* .5 – 2 ppm total dissolved solids in normal operation

Go **GREEN** and Save **GREEN**
Eliminate bottled water in our lifetime.

Contact your preferred dental dealer or O-SO Pure at (800) 676-7873 or sales@osopure.com.

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Mineral Mizer -- General Information and Specifications

Mineral Mizer Economics

The Mineral Mizer is economical, producing water for less than distilled water solutions in most locations. TABLE 1 shows the cost of operating all Mineral Mizer models over a 10 year life, excluding acquisition and installation cost. The results are expressed in \$/gallon of water produced, allowing a quick comparison against the practice's existing solution.

Many practices balance acquisition cost against gains in efficiency, convenience and staff safety of processing water on-site. However, for practices wishing to evaluate the economics without these more esoteric benefits, TABLE 2 combines acquisition and operating cost to arrive at the \$/gallon result.

Both TABLES assume

- municipal water cost of \$4/1000 gallons,
- 90% RO membrane efficiency,
- sediment filter life of 12 months,
- 2011 MSRP for replacement filters,
- the office is open 5 days / week,
- staff member changes filters.

TABLE 2 further assumes:

- nominal income tax rate of 33%,
- 2011 MSRP for **Mineral Mizer Classic** and
- one time \$150 installation charge.

OPTIONS	
ITEM #	DESCRIPTION
DWS-DWO	Drinking water option adds a standard 3 gallon tank, chrome faucet and fittings for reverse osmosis water. Check available space.
DWS-TKUP-14	10.2 gallon tank upgrade replaces standard 3 gallon tank. Will not fit in cabinet.
DWS-TKSWAP	Replaces standard 3 gallon tank with slim 2 gallon tank for installation in A-dec Preference ICC Sterilization Center MSMD cabinet

Specifications

Width20"
 Height.....16"
 Depth.....6"
 Weight (wet).....21 lbs
 Tap water pressure.....40 – 100 PSI
 Tap water temperature.....55-100°F
 Optimal input temperature.....85 °F

Tap water IRON.....< 0.3 ppm
 Standard tank.....15" H x 12" Dia x 3 gallons
 Slim tank.....20" H x 10" Dia x 2 gallons
 Dispense rate (full storage tank)
 Classic red faucet.....0.5 gallons / minute
 II dispensing gun.....1.1 gallons / minute
 Warranty1 year limited

MINERAL MIZER (all models)		10 year Operating Cost / gallons used				
\$/gallon		USAGE (gallons / day)				
		1	2	3	4	5
FEED WATER TDS (ppm)	50	\$0.23	\$0.14	\$0.11	\$0.10	\$0.09
	100	\$0.26	\$0.18	\$0.15	\$0.14	\$0.13
	150	\$0.30	\$0.22	\$0.19	\$0.18	\$0.17
	200	\$0.34	\$0.26	\$0.23	\$0.21	\$0.20
	250	\$0.38	\$0.29	\$0.27	\$0.25	\$0.24
	300	\$0.42	\$0.33	\$0.30	\$0.29	\$0.28
	400	\$0.49	\$0.41	\$0.38	\$0.36	\$0.36
	500	\$0.57	\$0.48	\$0.45	\$0.44	\$0.43
	600	\$0.64	\$0.56	\$0.53	\$0.52	\$0.51
	700	\$0.72	\$0.63	\$0.61	\$0.59	\$0.58
800	\$0.79	\$0.71	\$0.68	\$0.67	\$0.66	

TABLE 1: 10-year operating cost expressed in \$/gallon produced.

MINERAL MIZER CLASSIC		(Acquisition + 10-year Operating Cost) / gallons used				
\$/gallon		USAGE (gallons / day)				
		1	2	3	4	5
INPUT WATER TDS (ppm)	50	\$0.75	\$0.40	\$0.29	\$0.23	\$0.20
	100	\$0.79	\$0.44	\$0.33	\$0.27	\$0.23
	150	\$0.82	\$0.48	\$0.36	\$0.31	\$0.27
	200	\$0.86	\$0.52	\$0.40	\$0.34	\$0.31
	250	\$0.90	\$0.55	\$0.44	\$0.38	\$0.35
	300	\$0.94	\$0.59	\$0.48	\$0.42	\$0.38
	400	\$1.01	\$0.67	\$0.55	\$0.49	\$0.46
	500	\$1.09	\$0.74	\$0.63	\$0.57	\$0.54
	600	\$1.16	\$0.82	\$0.70	\$0.65	\$0.61
	700	\$1.24	\$0.89	\$0.78	\$0.72	\$0.69
800	\$1.31	\$0.97	\$0.85	\$0.80	\$0.76	

TABLE 2: Acquisition + 10-year operating cost expressed in \$/gallon produced.

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