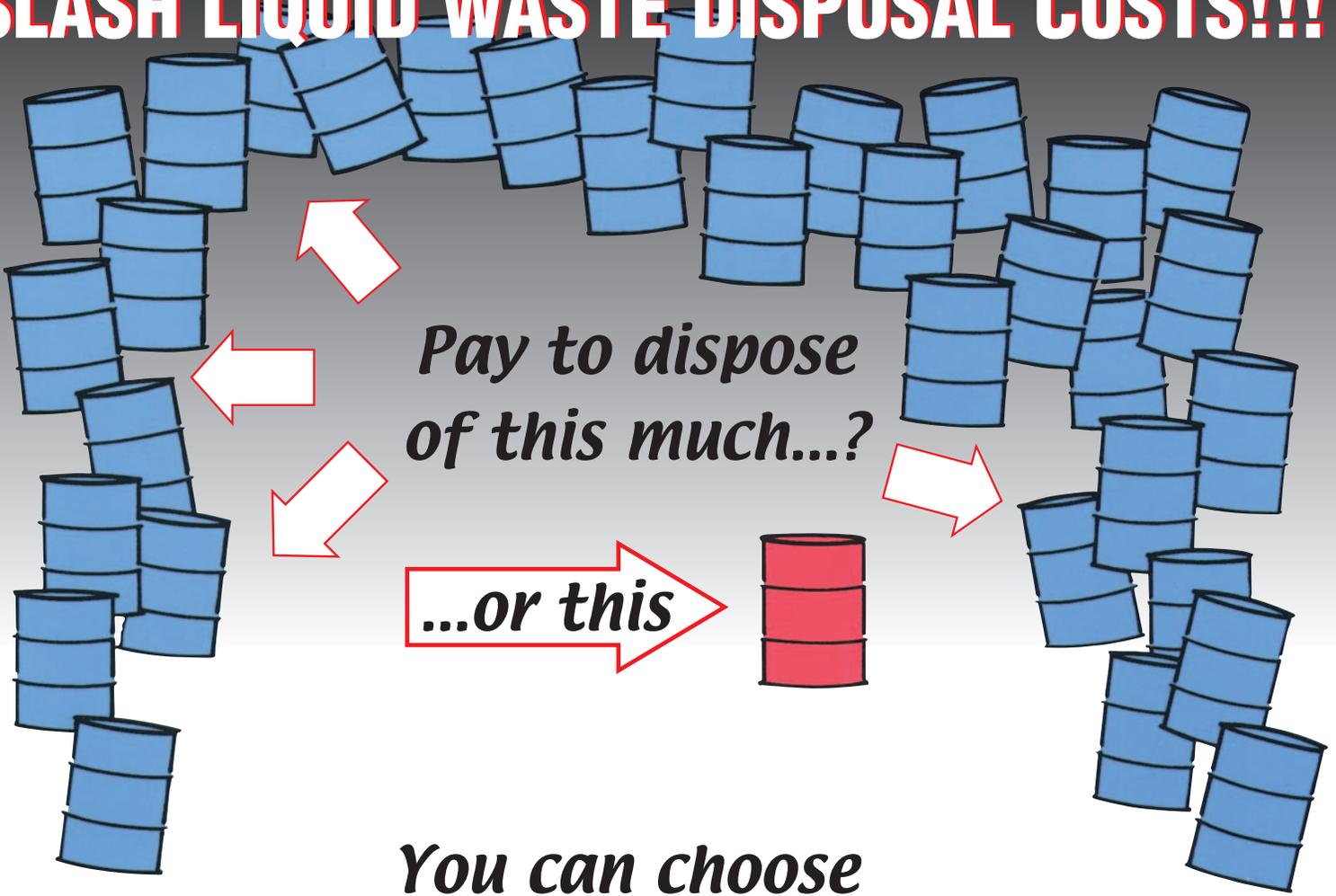


SLASH LIQUID WASTE DISPOSAL COSTS!!!



*Pay to dispose
of this much...?*

...or this

*You can choose
with the*

EMC[®] **WATER EATER[®]**

As much as 97% of liquid "hazardous wastes" are their water content. EMC Water Eaters efficiently evaporate the water content, dramatically reducing disposal cost.

AVAILABLE
IN ELECTRIC
OR GAS
MODELS
AND MANY
SIZES



DON'T PAY TO HAUL WATER... EVAPORATE IT!

✓ *Efficient*

✓ *Economical*

✓ *Reliable*

The **WATER EATER** uses electric or gas heat in combination with a power exhaust system to evaporate the water content of most non-volatile liquids, releasing the moisture safely into the air.

By reducing the volume of the liquid, leaving only a small amount of residue for disposal, the Water Eaters produce major savings in:

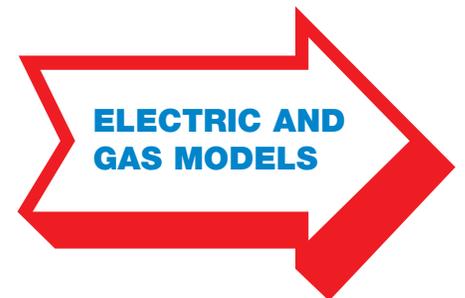
- \$ Disposal Costs*
- \$ Labor Handling Time*
- \$ Storage Space*
- \$ Disposal Frequency*
- \$ Reduction or Elimination of Sewer Permits*



EASY ACCESS WATER EATERS are available in a range of sizes to meet your needs.

WATER EATERS CUT DISPOSAL COSTS FROM MOST NON-FLAMMABLE WATER BASED LIQUIDS:

- *Machine Coolants*
- *Parts Washer*
- *Compressor Water*
- *Mop Waters*
- *Ink Washup*
- *Rinse Waters*
- *Tumbling & Vibratory Solutions*
- *Photographic Solutions*
- *Steam Cleaner Waters*
- *Pressure Washer*
- *Die Cast Solutions*
- *Paint Washup*
- *RO/UF Concentrates*
- *Phosphatizing Compounds*
- *Plating Solutions*
- *Hot Tank Solutions*



Many customers have reported:*

"The Savings from our Water Eater paid it's complete cost in less than 3 months."

**References on request.*

ELECTRIC

WATER EATER®

CONSTRUCTION INCLUDES our rugged 3/8" tank top frames and heavy 12 gauge tanks of carbon steel, 316L stainless, or other alloys. Safety systems include primary low level and thermostatic

control. The obstruction-free floors and out-of-the-way heating elements coupled with convenient access makes clean-out a snap. Our exclusive variable weir skimmer is standard on all units.

Model 85E:

IDEAL FOR LOW-TO-MEDIUM GENERATORS OF WASTE OR FOR MULTIPLE INSTALLATIONS AT SEPARATE LOCATIONS.

Compact—just 23"W x 41"L x 45"H—this unit evaporates 4 to 6 gallons per hour and can easily be located in an area out of the production flow. Through floor heaters and the removable cover allows complete tank access for sludge removal. Installation consists of only an electrical connection and water vapor vent stack.



MODEL 85E — Evaporates 4 to 6 gallons per hour

Model 125E:

FOR LARGER GENERATORS OF WASTEWATER WHO PREFER AN ELECTRICALLY HEATED SYSTEM.

Just 35"W x 38"L x 54"H, the Model 125E evaporates 10 to 14 GPH of water using an elevated heating system for additional sludge capacity.



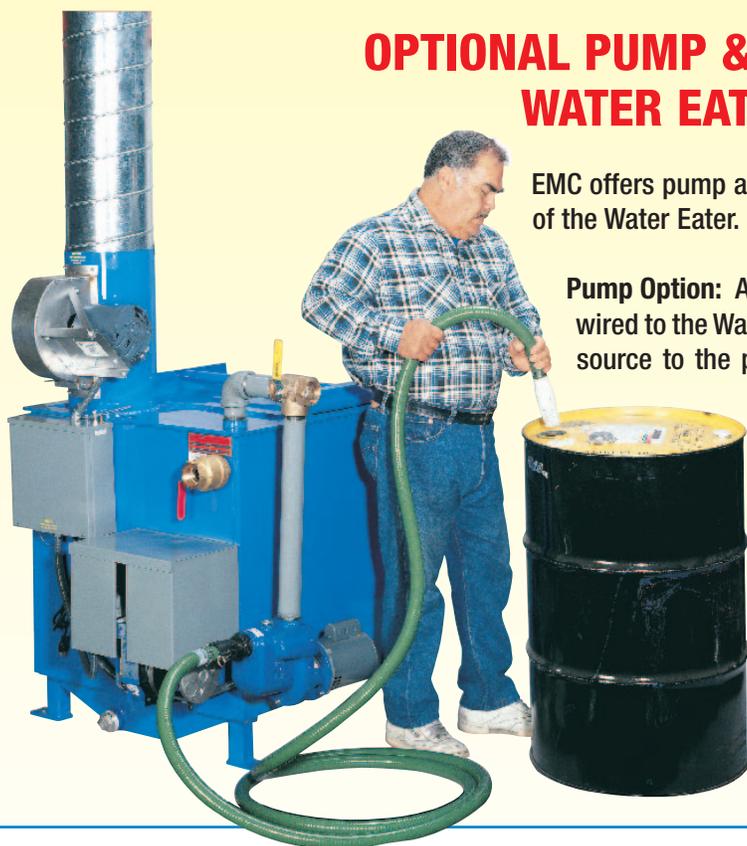
MODEL 125E — Evaporates 10 to 14 gallons per hour

OPTIONAL PUMP & AUTO-FILL SYSTEMS FIT ANY WATER EATER, ELECTRIC OR GAS.

EMC offers pump and auto-fill systems to simplify the filling and cleanout of the Water Eater.

Pump Option: A cast iron, self priming pump is mounted, plumbed and wired to the Water Eater. Operation is as simple as connecting the feed source to the pump inlet and hitting the switch. Also included is a diverter valve which allows for pumping concentrated liquid waste out of the Water Eater and into a waste receptacle. Hose assemblies to fill from, or discharge to, drums and tanks are available.

Auto-Fill System: (Includes the above pump option). The Auto-Fill system monitors liquid levels and operates the pump to keep filling the Water Eater automatically. With no sensors or level switches in your source tank required, the system senses the availability of liquid and automatically shuts down when your source is empty.



GAS

WATER EATER®

GAS-FIRED UNITS operate on as little as \$0.05 per gallon evaporated. Construction includes our rugged 3/8" tank-top frames and heavy 12 gauge tanks of carbon steel, 316L stainless steel, or other alloys. Safety systems include primary low level control and thermostatic control. In addition, all gas-fired units include AGA/CGA certified burners with gas pressure regulation, automatic electronic ignition, flame rectification sensing, positive airflow sensing, and thermally protected blowers. These units use large 6 1/2" diameter,

Schedule 10, immersion tube heat exchangers which are located well above a funneled floor to allow significant collection and concentration of sludge and solids without covering the burner tube. The oversized heat exchanger surface area is extremely efficient, allowing for a more accurate water distillation while avoiding water misting. The obstruction-free funneled floor and perimeter mounted burner tubes simplify clean out. Our exclusive variable weir skimmer is standard on all units.

Model 120G:

IDEAL FOR LOW-TO-MEDIUM GENERATORS OF WASTE-WATER.

Incorporating a power burner and "U" shaped burner tube, this model efficiently and economically evaporates water at a rate of 12 to 17 gallons per hour, yet is only 35"W x 38"L x 54"H overall.



Model 240G:

ENGINEERED TO MEET THE NEEDS OF MEDIUM TO LARGER GENERATORS OF WASTEWATER.

Evaporates 18 to 26 gallons per hour, yet requires only 35" x 73" floor space.



MODEL 120G — Evaporates 12 to 17 gallons per hour

MODEL 240G — Evaporates 18 to 26 gallons per hour

Model 375G:

ENGINEERED TO MEET THE NEEDS OF LARGE VOLUME GENERATORS OF WASTEWATER.

Using a 3 pass burner tube, the Model 375G is extremely economical to use and operate. It evaporates 40 to 55 gallons per hour. Requires only 35" x 73" floor space, yet is capable of reducing disposal by 350,000 gallons a year!



MODEL 375G — Evaporates 40 to 55 gallons per hour

ALL GAS HEATED WATER EATERS

use immersion heating via large diameter, perimeter mounted burner tubes.

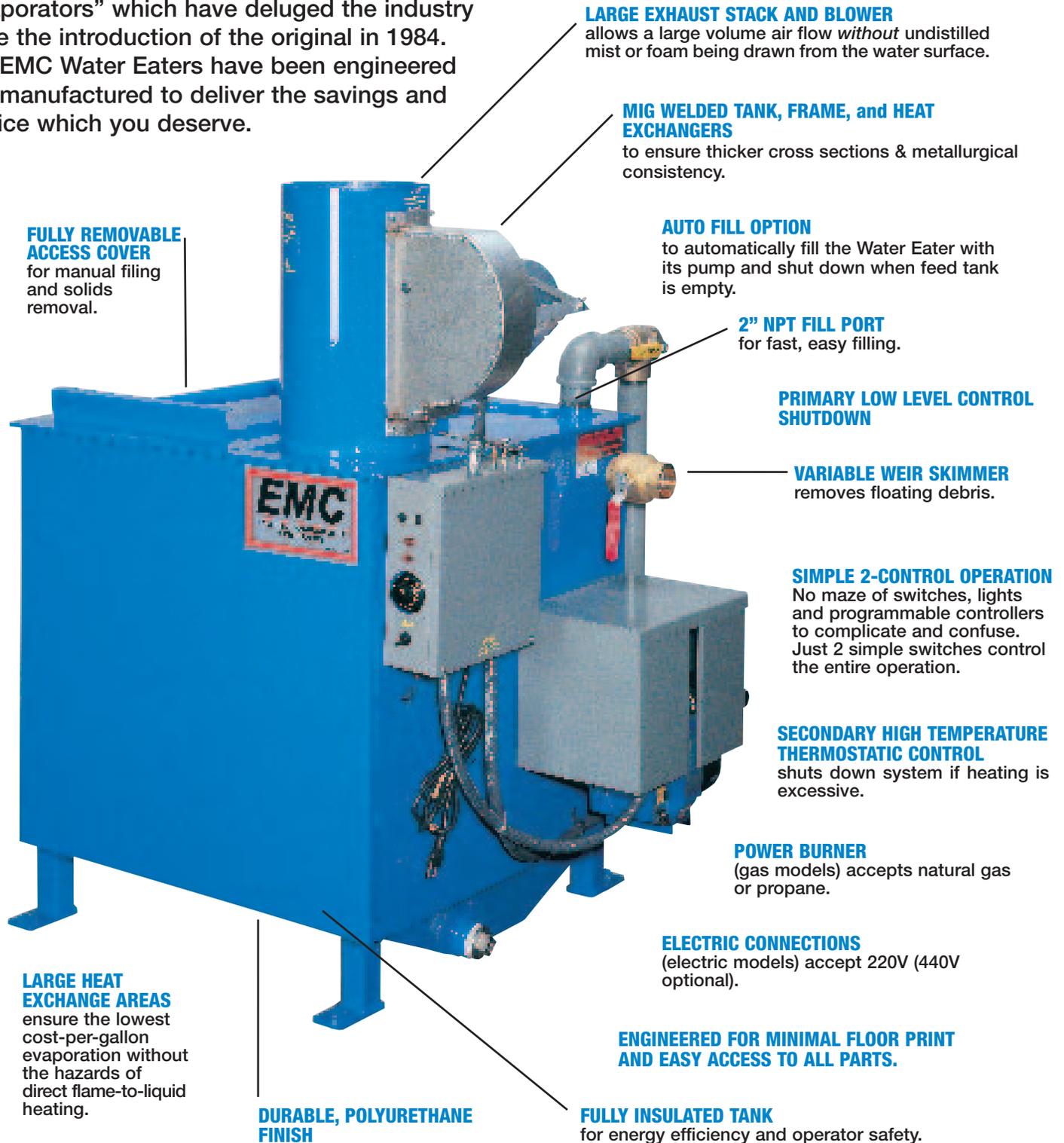
This design allows solids to settle on the floor and then be easily collected and disposed of. The burner tubes are positioned well off the floor allowing a large

capacity of sludge to accumulate before clean out.



EMC[®] WATER EATER[®]

Should not be confused with the many copycat “evaporators” which have deluged the industry since the introduction of the original in 1984. The EMC Water Eaters have been engineered and manufactured to deliver the savings and service which you deserve.



LARGE EXHAUST STACK AND BLOWER
allows a large volume air flow *without* undistilled mist or foam being drawn from the water surface.

MIG WELDED TANK, FRAME, and HEAT EXCHANGERS
to ensure thicker cross sections & metallurgical consistency.

FULLY REMOVABLE ACCESS COVER
for manual filling and solids removal.

AUTO FILL OPTION
to automatically fill the Water Eater with its pump and shut down when feed tank is empty.

2" NPT FILL PORT
for fast, easy filling.

PRIMARY LOW LEVEL CONTROL SHUTDOWN

VARIABLE WEIR SKIMMER
removes floating debris.

SIMPLE 2-CONTROL OPERATION
No maze of switches, lights and programmable controllers to complicate and confuse. Just 2 simple switches control the entire operation.

SECONDARY HIGH TEMPERATURE THERMOSTATIC CONTROL
shuts down system if heating is excessive.

POWER BURNER
(gas models) accepts natural gas or propane.

ELECTRIC CONNECTIONS
(electric models) accept 220V (440V optional).

ENGINEERED FOR MINIMAL FLOOR PRINT AND EASY ACCESS TO ALL PARTS.

LARGE HEAT EXCHANGE AREAS
ensure the lowest cost-per-gallon evaporation without the hazards of direct flame-to-liquid heating.

DURABLE, POLYURETHANE FINISH

FULLY INSULATED TANK
for energy efficiency and operator safety.

ONE YEAR WARRANTY ON PARTS AND WORKMANSHIP

PROVEN IN OVER 2000 INSTALLATIONS

EMC[®]

WATER EATER[®] SPECIFICATIONS

	85E	125E	120G	240G	375G
MAX. EVAPORATION RATE*:					
BATCH FILL Gallons (Liters) Per Hour	6(22)	14(53)	17(64)	26(98)	55(208)
AUTO FILL Gallons (Liters) Per Hour	4(15)	10(37)	12(45)	18(68)	40(151)
SPECIFICATIONS					
TANK CAPACITY Gallons (Liters)	85(322)	125(473)	120(454)	240(908)	375(1420)
HEAT ENERGY	11,400 Watts	27,000 Watts	200,000 BTU	285,000 BTU	400,000 BTU
HEAT EXCHANGER	Thru-Floor	Elevated	61/2" Dia. x 81"	61/2" Dia. x 141"	61/2" Dia. x 381"
SLUDGE CAPACITY	5 Gallons	32 Gallons	32 Gallons	64 Gallons	64 Gallons
SOLIDS CLEAN OUT ACCESS	19" x 22 1/2"	17" x 29"	17" x 29"	29" x 40"	29" x 40"
LIQUID DRAINS	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
TANK FLOOR CONSTRUCTION	3/8" Plate	12 Gauge Funneled	12 Gauge Funneled	12 Gauge Funneled	12 Gauge Funneled
VENT STACK DIAMETER	6"	10"	10"	10"	16"
TANK FILL PORT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
VARIABLE WEIR SKIMMER	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
UTILITIES					
ELECTRICAL (Volts/Phase/Amps)	240/3/40 (240/1/50) (480/3/20)	240/3/68 480/3/34	120/1/13	120/1/13	120/1/13
GAS INLET (Natural or Propane)	-----	-----	3/4" NPT, 7"-14" W.C.	3/4" NPT, 7"-14" W.C.	3/4" NPT, 7"-14" W.C.
DIMENSIONS:					
FLOOR SPACE	23" x 41"	35" x 38"	35" x 43"	35" x 73"	35" x 73"
(w/Optional Fill Pump/AFS)	(33" x 41")	(45" x 38")	(45" x 43")	(45" x 73")	(45" x 73")
OVERALL HEIGHT	44"	54"	54"	54"	77"
TANK HEIGHT (Floor to Top of Tank)	30"	36"	36"	36"	54"
SHIPPING WEIGHT lbs(kg)	450(204)	600(272)	700(317)	800(363)	1100(500)
<ul style="list-style-type: none"> • Rates based on evaporation of water only. May vary with wastestream and environmental conditions. • EMC reserves the right to change specifications without notice. This product is protected under U.S. Patents No 5, 772, 843 & 5, 730, 872. • The Water Eater is not designed for combustible materials. 					

Other Quality Engineered and Manufactured Products of EMC[®]



**Automatic
Parts
Washer**



**Pass-Thru
Parts
Washer**



**Jetsink
Cleaning
Station**

EMC[®]**EQUIPMENT MANUFACTURING CORPORATION**

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(888) 833-9000 ■ (562) 623-9394 ■ Fax (562) 623-9342

www.watereater.com