

Wastewater EVAPORATORS

Gas Powered Evaporator Model G90

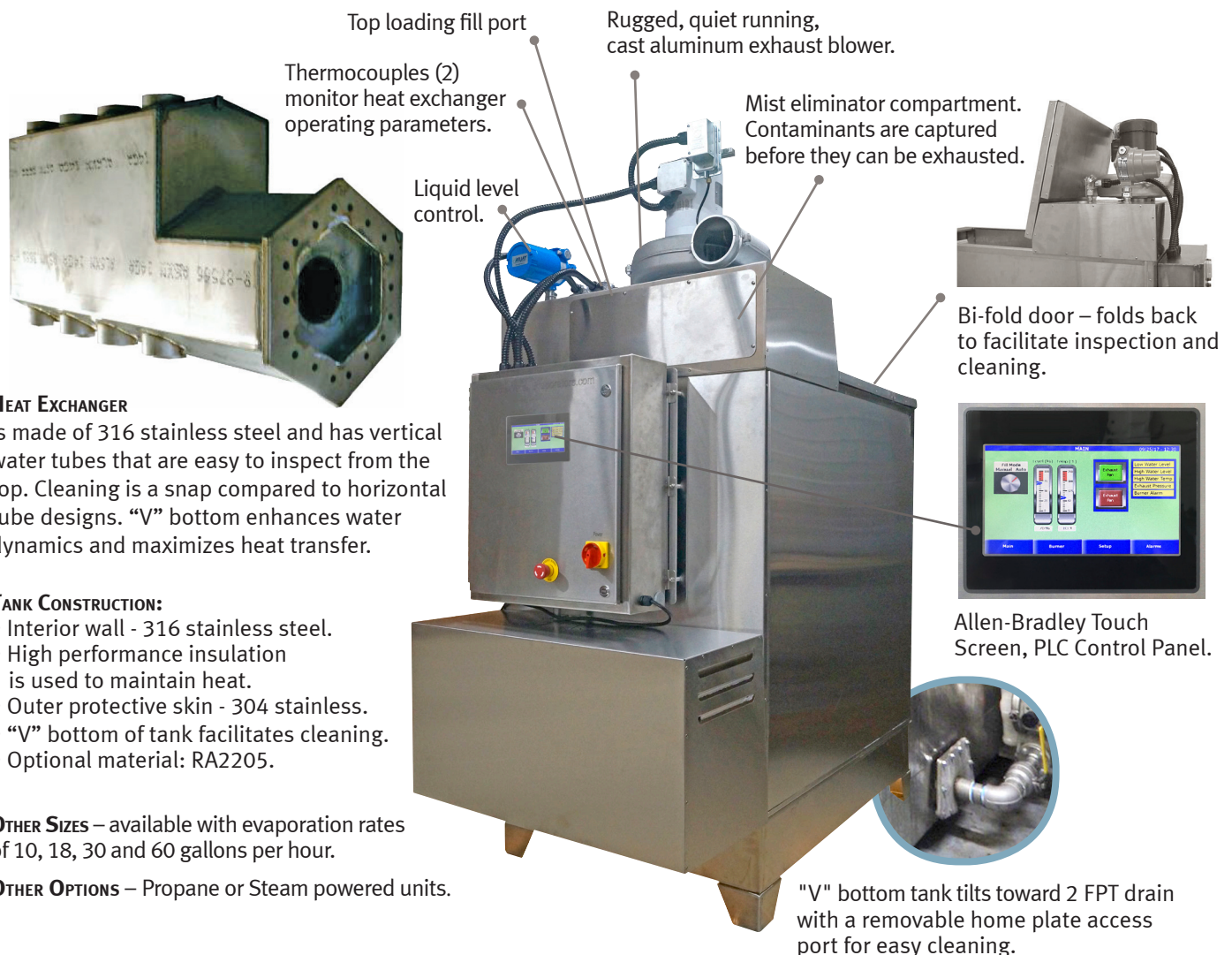
Vertical water tubes – The heart of the G90 gas powered evaporator is the innovative vertical water tube heat exchanger with internal flue gas passages engineered for high performance and efficient operation. It has an exceptionally large surface area designed for maximum heat transfer and outstanding product life. The vertical tubes are accessible from the top of the unit for easy inspection and cleaning. Utilizing surface combustion technology (SCT), the G90 is designed to run 24/7.

Problems with other designs – Horizontal tube heat exchangers are very difficult to clean. Only the top half of the top row of tubes is visible and accessible. The lower levels of tubes are not easily reached and cannot be inspected for their condition. Bottom heat evaporators can be cleaned, but with less than 50% efficiency they develop dangerous hot spots and are very costly to operate.

Applications – The G90 is ideal for processing:

- aqueous parts washing water
- machine shop coolant
- air compressor blowdown
- tumbling wash water
- dye penetrants
- cleaning solutions
- dye casting solutions
- Metal finishing
- Printing
- Floor scrubbers
- Metal working contaminated wastewater.

SPECIFICATIONS	
Evaporation Rate	90 Gallons per hour
Electrical	115 single phase
Tank Capacity	490 Gallons
Dimensions	46"W x 111"L x 75"H
Liquid level control	RF Capacitance probe
Safety	Low/high level interlocks Manual fill interlock High temperature shut off
Operation control	Allen-Bradley
Temperature control	Thermocouple Type T temperature controller
Warranty	2 years



HEAT EXCHANGER

is made of 316 stainless steel and has vertical water tubes that are easy to inspect from the top. Cleaning is a snap compared to horizontal tube designs. "V" bottom enhances water dynamics and maximizes heat transfer.

TANK CONSTRUCTION:

- Interior wall - 316 stainless steel.
- High performance insulation is used to maintain heat.
- Outer protective skin - 304 stainless.
- "V" bottom of tank facilitates cleaning.
- Optional material: RA2205.

OTHER SIZES – available with evaporation rates of 10, 18, 30 and 60 gallons per hour.

OTHER OPTIONS – Propane or Steam powered units.

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