

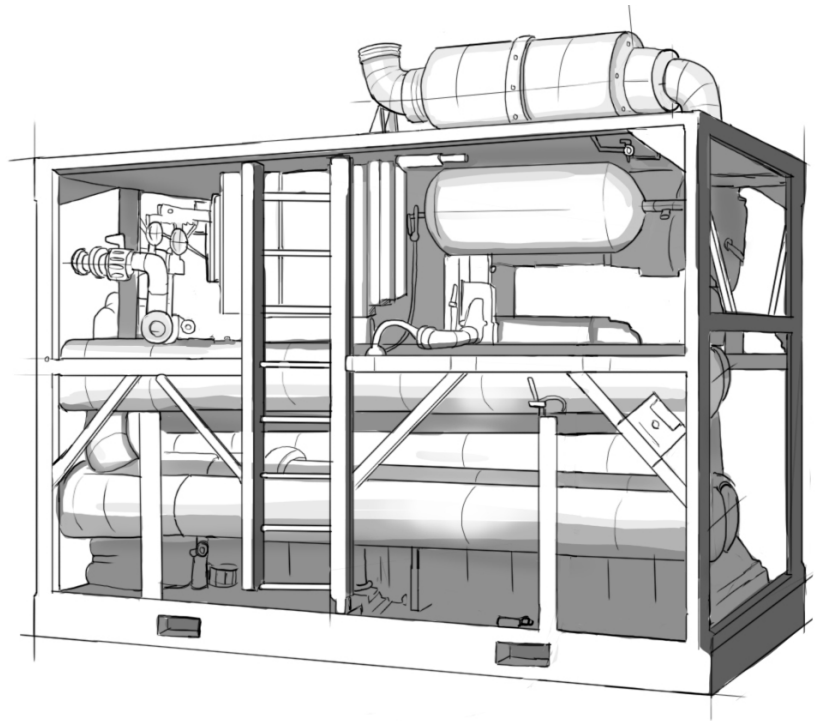


Water Treatment **TUNA**

Flameless Heat Exchange Unit

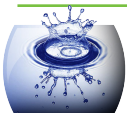
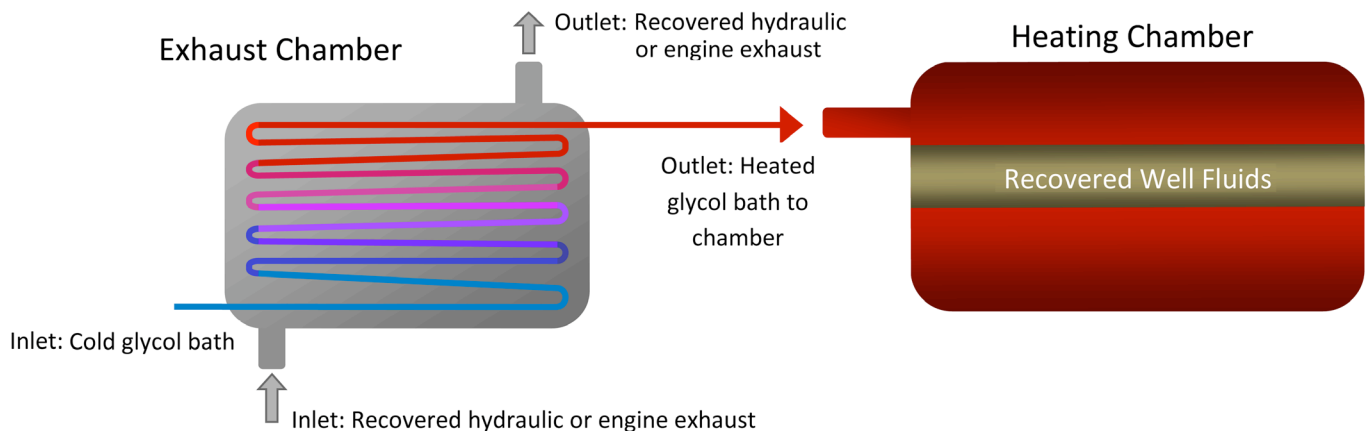
The TUNA is a flameless heat exchange unit emphasizing safer practices offshore. CETCO's design incorporates a water and glycol bath that acts as a neutral barrier between recovered well fluids and the unit's heat source. The glycol bath is heated by exhaust generated from diesel engines and loaded hydraulic systems.

By optimizing the heating capabilities, the TUNA remains unlike any other available flameless units that place recovered well fluid lines inside the open heat source chamber.



Features & Benefits

- Designed to accommodate inlet temperatures of approximately 60°F
- Achieves effluent temperatures up to 130°F at a rate of 2,880 bbls. per day
- Meets API 14C requirements
- Heats recovered fluids from a well using a water and glycol bath
- Fully integrated with CETCO water treatment equipment
- Small deck footprint



Technical Specifications

Equipment	TUNA Skid	Produced Fluid Pump*	Bath Water Pump*	Bath Reservoir
Dimensions (L x W x H*)	13' x 8' x 11'9"	-	-	-
Dry Weight (lbs.)	27,000	-	-	-
Operating Weight (lbs.)	33,000	-	-	-
Heat Available (MM BTU/hr)	2	-	-	-
Centrifugal	-	3 X 2	3 X 2	-
Other	-	2 bbls./min @ 50 psi; 1750 RPM	2.38 bbls./min @ 50 psi; 1750 RPM	55 gallons
TDH	-	70' @ 0 gpm	55' @ 0 gpm	

*Tuna develops its own electricity to power all pumps on the skid.

**Height is shipping height with exhaust muffler attached.