

LOCS Series

Light Oil Conditioning Systems



MODELS

- LOCS-40 40,000 BTU/HR
- LOCS-80 80,000 BTU/HR
- LOCS-120 120,000 BTU/HR
- LOCS-160 160,000 BTU/HR

DESIGN

- Continuous duty design built for heating and conditioning of light crude oil at the production tank.
- Safely heats and conditions oil to promote reduction of natural gas liquids (NGL's) entrained within produced fluids.
- Mag-Drive pump eliminates leakage and virtually eliminates down time due to maintenance. Available in 240/480 VAC.
- Flameless, explosion proof heater technology. Uses natural gas or propane as fuel source.

SAFETY & ENVIRONMENT

- Reduces volatility at the well site before shipment, greatly increasing safety and reducing transportation hazards and environmental risks.
- Hazardous area classification for Class I, Div.II
- Minimal emissions.
- Safely raises and maintains temperature of produced fluids.

FLEXIBILITY

- No modifications required to site.
- Construction friendly design.
- Minimal operational costs.
- Safe, simple operation.

Model: LOCS Series Specifications

Pump

Maximum operating pressure	250 PSI
Operating temperature range	-40°F to 200°F
Flow rate	5-10 GPM

Heaters

Heat Exchanger	500 PSI @ 750°F ASME Rated
2-24" x 48" – Mark II Flush Mount Catalytic Heater	Explosion Proof
Heat Input	80,000 Btu/hr
Face temp. of Heater @ maximum output	750°F
Gas Consumption @ maximum output	80 SCF/hr

Options

Tank Inlet diffuser	4" NPT
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Fittings

Adjustable Hi-temp Shutdown Valve	200°F (Max. Set point)
Adjustable Temperature Control	150°F (Max. Set point)
Threaded Fittings (Painted)	3000 lb forged steel
Tubings and Fittings	Stainless Steel

Electrical

Mag drive pump	240 VAC
Auto gas shutoff	Integral
Flow Switch	Standard
Tubings and Fittings	Stainless Steel