

Explosion Proof Oil Heating System

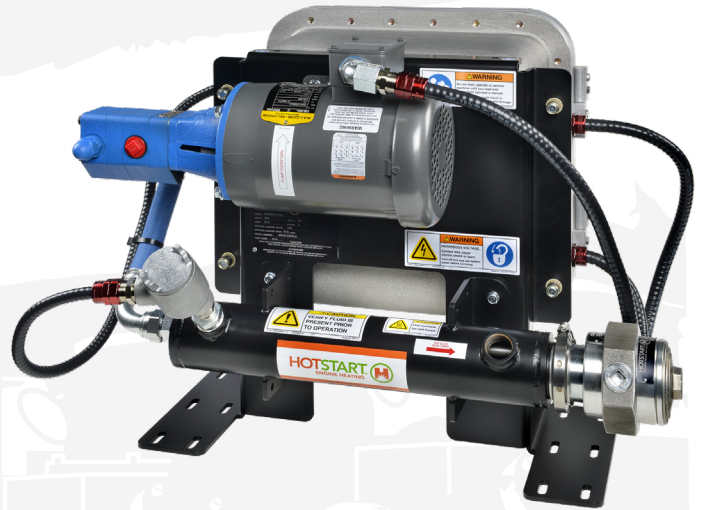
OSE/OSX



HOTSTART's OSE/OSX is a compact oil heating system for use in North American hazardous locations and is designed to maintain an engine or compressor's optimal oil viscosity for gas compressor or offshore equipment applications.



OSE
front view



OSE
rear view

BENEFITS & FEATURES

ENGINE & COMPRESSOR AVAILABILITY

To improve startability and availability, the OSE/OSX continuously circulates heated oil throughout the oil sump or lubrication system, maintaining a uniform and consistent temperature to ensure oil viscosity is at optimal levels for engine or compressor protection.

COMPLETE PACKAGED DESIGN

Designed as a user-friendly, pre-packaged system, the OSE/OSX includes all necessary components and features a foot-mounted configuration to reduce overall footprint. Its remote automatic function and customer interface connections enable the OSE/OSX to be easily integrated into any control system.

REDUCED MAINTENANCE

Continuous lubrication of the compressor frame, bearings and crossheads with heated oil minimizes wear and tear, reducing overall maintenance. The OSE/OSX delivers the required flow to achieve pressure permissives for startup, eliminating the need for a separate pre-lube pump, motor and controller.

PREVENTS CONDENSATION

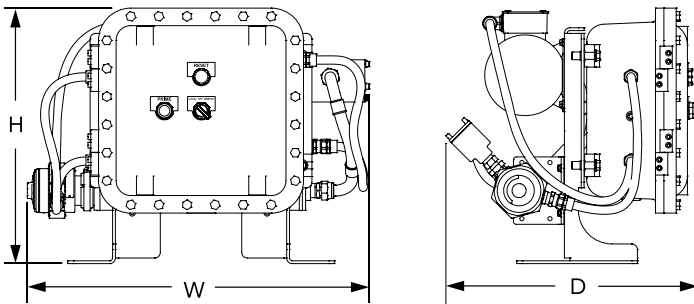
In warmer, humid climates, temperature variation can cause condensation in the oil pan, contaminating the oil and compromising the oil's lubrication properties. By maintaining temperatures above the dew point, the OSE/OSX eliminates the risk of condensation forming during cool down periods.

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OSE/OSX



OSX model shown.
Dimensions may vary.



Height (H)	Width (W)	Depth (D)	Weight
22.75"	30"	23"	315 lbs
578 mm	762 mm	584 mm	143 kg

OSE System	
Phase	three-phase (3 Ø)
Voltage (60Hz)	240 V 480 V
Control Box Ingress	NEMA 4
Motor Ingress	TEFC
Min./Max. Ambient Temp.	-4 °F / 104 °F (-20 °C / 40 °C)
Temp. Class (3 Ø)	T3C
Altitude Rating (Motor)	3,300 ft (1,000 m)
Certification	Class 1, Div. 2, Group D CSA Standards with CSA approved components

OSE Oil	
Fluid	Lubrication oil
Heat Power	1.5kW 2.5kW 4kW
Temp. Control	32–212 °F (0–100 °C), adjustable
Control Set Point	105 °F (40 °C), factory set
Temp. High-limit	195 °F (90 °C)
Pump Power	1 hp (0.75kW) 2hp (1.5kW)
Flow	1.6–11 gpm (6.1–41.6 L/min)
Inlet/Outlet	determined by flow rate / 1" NPT
Max. Pump Output	75 psi (520 kPa), pressure relief limited

Options shown represent typical tested or certified configurations. Additional options or configurations may be available. For assistance with your heating system application, contact HOTSTART at 281.600.3700 or oil.gas@hotstart.com.

OSX System	
Phase	single-phase (1 Ø) three-phase (3 Ø)
Voltage (60Hz)	240 V 480 V
Control Box Ingress	NEMA 4
Motor Ingress	XPFC
Min./Max. Ambient Temp.	-4 °F / 104 °F (-20 °C / 40 °C)
Temp. Class (1 Ø)	T2C
Temp. Class (3 Ø)	T3C
Altitude Rating (Motor)	3,300 ft (1,000 m)
Certification	Class 1, Div. 1, Group D CSA Standards with CSA approved components

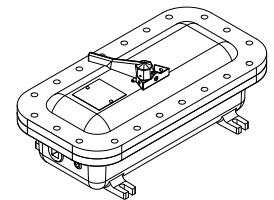
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Optional Lockout/Tagout Breaker Box for Hazardous Locations

Breaker Box

Optional breaker box provides a lockout/tagout disconnection point and overcurrent protection for Class I, Div 1 and 2, Group D classified heating systems.



Height	Length	Width	Weight
7.78"	20.5"	10.5"	45 lbs
230 mm	152 mm	161 mm	20.4 kg

MODEL INFORMATION

Proper heating system specification is dependent on multiple factors, including heated area dimensions, fluid volumes, ambient conditions, and other considerations. Additional heating system options not listed, including heat power, may be available. For assistance in selecting the heating system for your application, contact the HOTSTART Oil & Gas office at 281.600.3700 or oil.gas@hotstart.com.