



SYTHERM OB SERIES

Open Bath Silicon Green Synthetic Thermic Fluid

PRODUCT INFORMATION

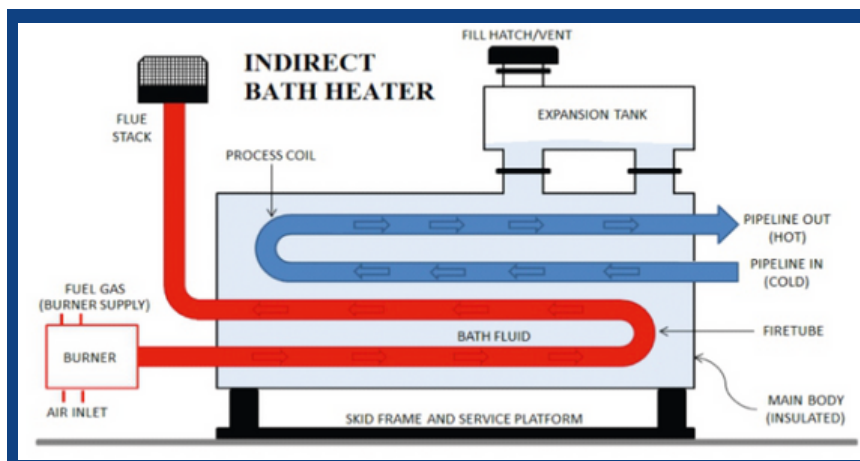
PRODUCT DESCRIPTION

With the working temperature of -10°C to 300°C this fumeless SYTHERM OB Series is a high performance, synthetic, balance viscosity thermic fluid manufactured with required additives to run trouble free long life. The carbon deposition is very less in this product because of its high oxidation stability and thermal stability. It works extra ordinary in open loop thermic fluid system of chemical and other industries as heat transfer media. It has three times more life in comparison to close loop thermic fluid.



ADVANTAGES

- High Co-efficient of heat transfer property benefit in fast heat transfer..
- Maintains high and stable flash point for long time.
- Low pour-point provides good performances at low temperature.
- Excellent anti-corrosion properties in relation to ferrous and non-ferrous metals.
- Balance viscosity and viscosity index will be beneficial for less power load on circulation pumps.
- Very good oxidation and Thermal stability.
- Excellent detergency contributing in system cleanliness.
- Low sludge formation, better performance of filters.
- Comparatively beneficial in power and energy saving.
- Benefits in life and maintenance cost" electric heater
- Fumeless heat transfer fluid.



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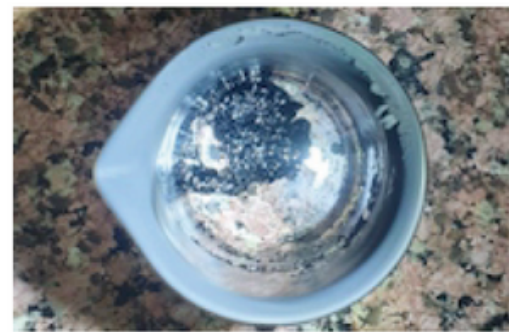
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Sludge Formation After Full Burning of

SYNTHERM OB SERIES CONVENTIONAL THERMIC FLUID



Physical Parameters		OB250E	08310E
Color	Visual	Silicon Green Liquid	Silicon Green Liquid
Composition		Syn. Base + Additives	Syn. Base + Additives
K.Viscosity of base oil at 100°C mm ² /s(cSt)	ASTMD 445	5.4 cSt	11.8 cSt
Flash Point	ASTMD 092	255°C	257°C
Vapor Pressure @200°C/0Kpa@50°C	ISO 2592	<2.69KPa	<2.69KPa
Pour Point	ASTMD 097	-20°C	-6°C
Specific Heat at 200°C	ASTME1269	>2.39KJ	>2.39KJ
Thermal Conductivity at 200°C	ASTME1530	>0.14W/M-K	>0.14W/M-K
Auto Ignition temperature	ASTM E659	380°C	381°C
Rust prevention test	ISO7120	Pass	Pass
Max, Bulk & FilmTemp	IN1253*	250°C & 355°C	250°C & 355°C
Water Content	IS:2362	0.04%	0.05%
Density @15°Cg/ml	ASTMD 4052	0.83	0.85

All the mentioned values are typical which may vary from batch to batch.

