

HEAT-PLUS DIATHERM 32

HEAT TRANSFER FLUIDS

321900301



DIATHERMIC FLUID

This high-performance heat transfer oil is recommended for use in most installations requiring diathermic fluids. It meets the necessary requirements for thermal and chemical stability, low vapor tension, complete neutrality towards metals, and non-toxicity. It is formulated using highly refined paraffinic base oil, which provides excellent viscosity. This product is suitable for heat transfer systems equipped with expansion vessels and with appropriate circulation speed, where the maximum operating temperature of the oil does not exceed 315°C.

CATEGORY

- Industry Specific

BENEFITS

- Higher resistance against thermal cracking than conventional (higher viscosity) fluid
- Oxidation resistant
- Faster transfer to turbulent flow also during start-up operations thanks to good low temperature fluidity
- Less energy consumption resulting in reduced operating costs
- Extended service and fluid life

PROPERTY

PROPERTY	METHOD	VALUE
Viscosity @ 40 °C, mm ² /s	ASTM D445	30,3
Viscosity @ 100 °C, mm ² /s	ASTM D445	5,4
Density @ 20 °C, kg/dm ³	ASTM D4052	0.870
Density @ 100 °C, kg/dm ³	ASTM D4052	0.812
Viscosity index	ASTM D2270	113
Flash point C.O.C, °C	ASTM D92	208
Pour point, °C	ASTM D6892	-15
TAN, mg KOH/g	ASTM D664	0,01
Vapour tension @ 200°C, mbar		2
Vapour tension @ 250°C, mbar		16
Vapour tension @ 300°C, mbar		55

All data on this technical data sheet is indicative only

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