‘ISES-L’ & ‘FP-L’ Range of Hazardous Area Immersion Heaters

The ‘ISES-L’ and ‘FP-L’ series of Hazardous Area Immersion Heaters are ideally suited for installation within process tanks, sited in Zone 1 or Zone 2 Hazardous Areas. The design of the heater provides horizontal mounting of the elements, beneficial for low liquid level applications but allowing vertical installation, which facilitates withdrawal from the vessel top.

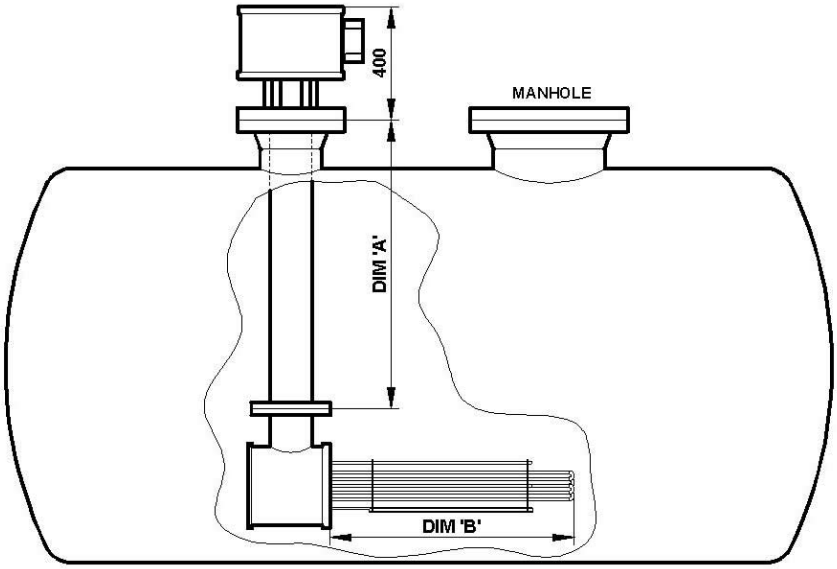
The design of heater is particularly suited for heating the contents of underground storage tanks.

FEATURES

- Up to 300kW.
- ATEX approved Ⓔx 11 2 G/D.
- Certified EEx’e’, Zone 1, Gas Group II.
- Certified EEx’d’, Zone 1, Gas Group II, A, B, C.
- Terminal box is certified weatherproof to IP66/67 or NEMA 4x.
- Enclosure manufactured from durable Stainless Steel with removable cable entry gland. Cable entries cut to suit incoming cable requirements. External and Internal earth stud.

TYPICAL APPLICATIONS

- Heating liquids in large tanks or vessels where low levels are commonly experienced.
- Heating liquids in underground tanks.



DIMENSIONS 'A' & 'B' VARIED TO SUIT CLIENT REQUIREMENTS

Enclosure Stainless Steel enclosure with removable cable entry gland. Cable entries cut to suit incoming cable requirements. External and Internal earth stud.

Elements Manufactured from 80/20 NiCr resistance wire with high purity compacted Magnesium Oxide powder sheathed within corrosion/erosion resistant tube e.g.:

- Incoloy 800/825
- Inconel 600/625
- Titanium
- 316/316L Stainless Steel
- 321 Stainless Steel
- Monel

Element sheath available in welded or seamless tube upto 1.6mm thick.

Internals Elements are supported in a segmental or rod type baffle assembly to prevent flow induced vibration and hot spots, generally complying with TEMA standards.

Element To Tubesheet Seal Elements are sealed into the flange by 'Bite' type couplings or welded.

Voltage Suitable for voltages up to 690v.