

ISES-L Range of Hazardous Area Immersion Heaters

The ISES-L series of hazardous area immersion heaters are ideally suited for installation within process tanks, sited in ATEX / IECEx 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 the heater is particularly suited for heating the contents of underground storage tanks.



FEATURES

Certified to ATEX or IECEx standards

Terminal box is certified weatherproof to IP66/67 or Type 4x

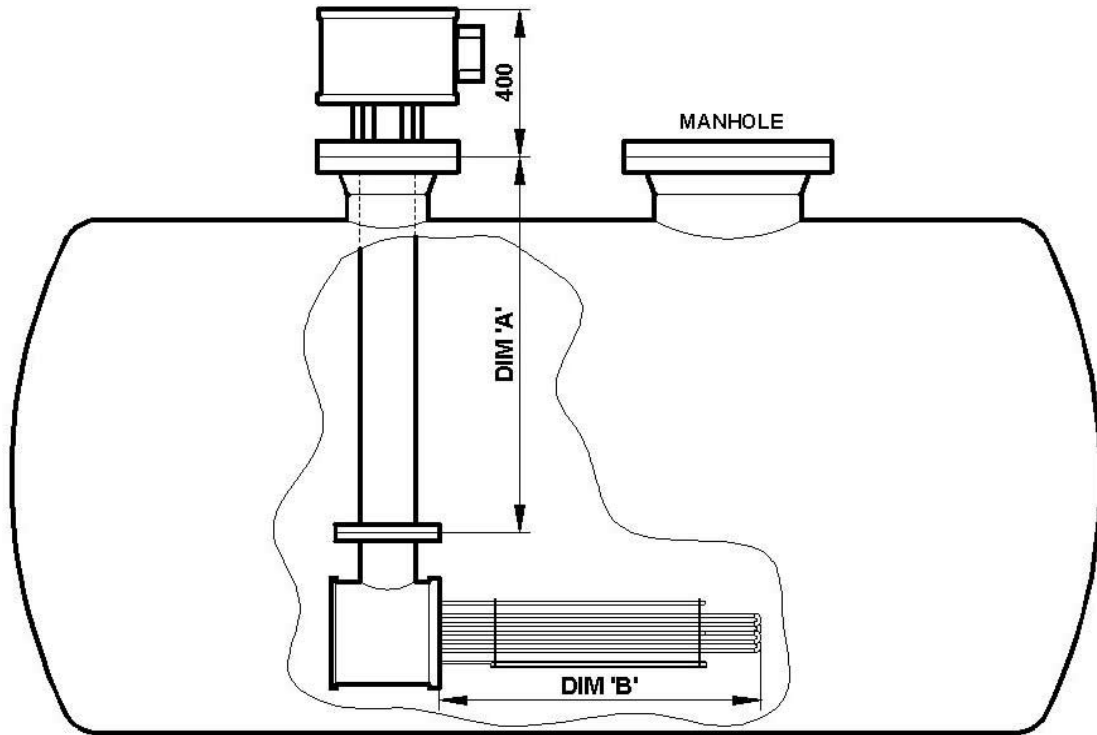
Up to 300kW

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

Certification	ATEX / IECEx  II 2 G Ex e IIC T1 to T6 Gb IP67 EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31 CU TR (formerly GOST), CCOE, CNEEx, Inmetro								
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, eg: <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Incoloy 800/825</td> <td style="width: 33%;">Inconel 600/625</td> <td style="width: 33%;">Titanium</td> </tr> <tr> <td>316/316L stainless steel</td> <td>321 stainless steel</td> <td>Monel</td> </tr> </table> Element sheath available in welded or seamless tube upto 1.6mm thick			Incoloy 800/825	Inconel 600/625	Titanium	316/316L stainless steel	321 stainless steel	Monel
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316/316L stainless steel	321 stainless steel	Monel							
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	Elements are sealed into the flange by welding								
Voltage	Suitable for voltages up to 690V								