

'FP-MLH' & 'MLHX' Flameproof Mini Line Heaters

The EXHEAT range of Flameproof Mini Line Heaters consist of a screw plug or flanged type immersion heater mounted in a thermally insulated heating vessel. They are designed to efficiently transfer heat to a flowing medium (liquid, air or gas). All EXHEAT flameproof heaters are fully ATEX certified and designed for use in Zone 1 & 2 Hazardous Areas, Gas Group IIC.

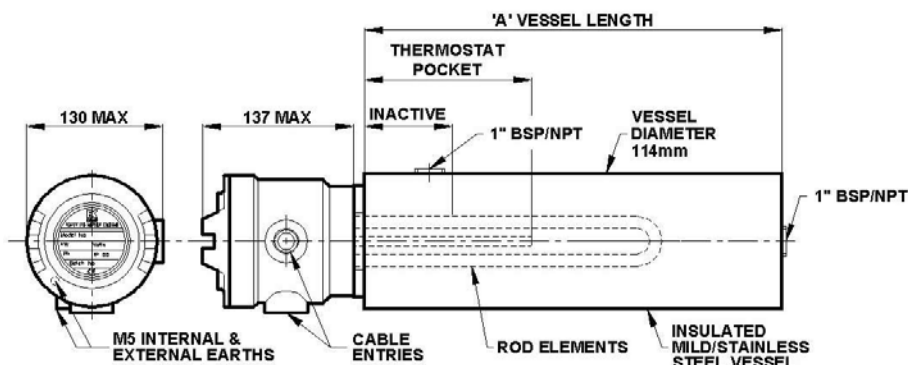


FEATURES

- Certified to meet the ATEX Directive 94/9/EC.
- Weatherproof lightweight cast aluminum terminal enclosure – IP67.
- Choice of built in process temperature sensors and externally adjustable option.
- Mild steel or stainless steel vessel.
- Suitable for ambient temperatures -40°C to +40°C
- Standard range of high quality incoloy rod type elements, designed for water or withdrawable ceramic core elements, designed for oil.
- Maximum allowable working pressure 5bar.g (73psi g).
- Designed for horizontal installation only. Vertical mounting version available on request.

TYPICAL APPLICATIONS

- **Water Heating** – wash rooms, industrial washing equipment, hot water storage tanks
- **Frost Protection** – pre start systems for water cooled engines, fire extinguishing equipment, oil sump heating
- **Heat transfer oils** – moulds, dies & platens. Closed loop systems for bitumen etc
- **Fuel oil heating** – preheating to pumping viscosity



Model	Loading (kW)	Dimensions (mm) 'A'	BSP/NPT
Water			
Short Body			
FP-MLH1S	1	475	1"
FP-MLH2S	2	475	1"
FP-MLH3S	3	475	1"
FP-MLH6S	6	475	1"
FP-MLH9S	9	475	1"
Long Body			
FP-MLH3L	3	925	1"
FP-MLH6L	6	925	1"
FP-MLH9L	9	925	1"
FP-MLH12L	12	925	1"
OIL			
Long Body			
FP-MLHX1	1	925	1"
FP-MLHX2	2	925	1"
FP-MLHX3	3	925	1"
Note 1½" BSP Connections available on request			

- Certification** ATEX Certified Ex II 2 G Ex'd' IIC T4-T6 to EN60079-0 and EN60079-1
- Enclosure** Cast Aluminium alloy with a maximum of two cable entries, external and internal earths and screwed terminal cover.
- Elements** High quality nickel chrome resistance wire compacted in Magnesium Oxide insulating powder and sheathed in corrosion resistant Incoloy or withdrawable ceramic core elements.
- Pressure** Maximum allowable working pressure 5 bar.g (73 psi g).
- Design Code** Sound Engineering Practice (SEP)
- Vessel** Mild Steel or Stainless Steel.
- Insulation** Mineral wool.
- Cladding** Coated Mild Steel or Stainless Steel.
- Voltage** Standard units are normally designed for 220v-415v.