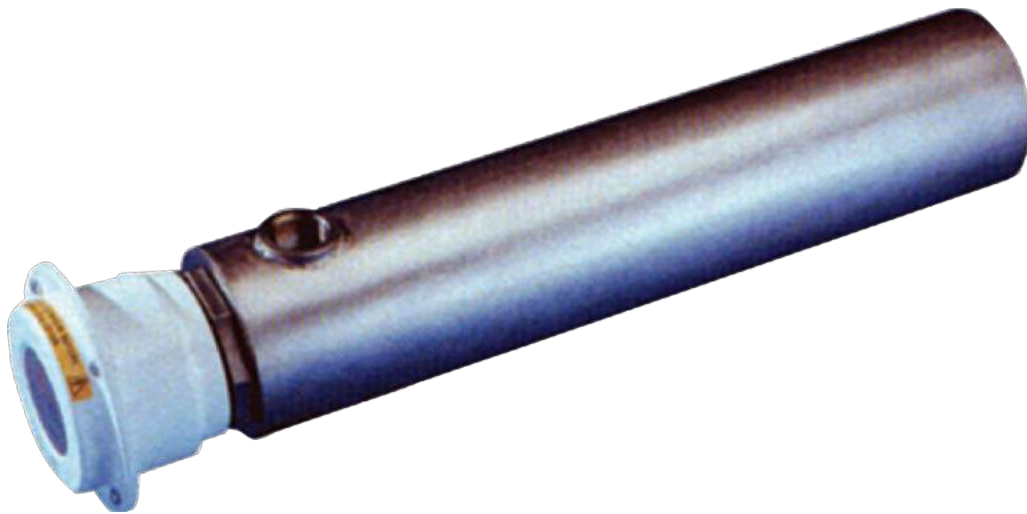


## MLH Mini Line Heaters

The range of mini line heaters consist of a screw plug or flanged type immersion heater mounted in a thermally insulated heating vessel, and is designed to efficiently transfer heat to a flowing medium (liquid or air).



### FEATURES

Weatherproof protected to IP66

Choice of built in process temperature sensors and externally adjustable option

Mild steel or 316 stainless steel vessel

Standard range of high quality Incoloy or stainless steel rod-type elements, designed for water or withdrawable ceramic core elements, designed for oil

Maximum allowable working pressure up to 10 barg / 145 psig, subject to design parameters

Designed for both horizontal and vertical installation (if mounted vertically, terminal box must be located at the bottom)

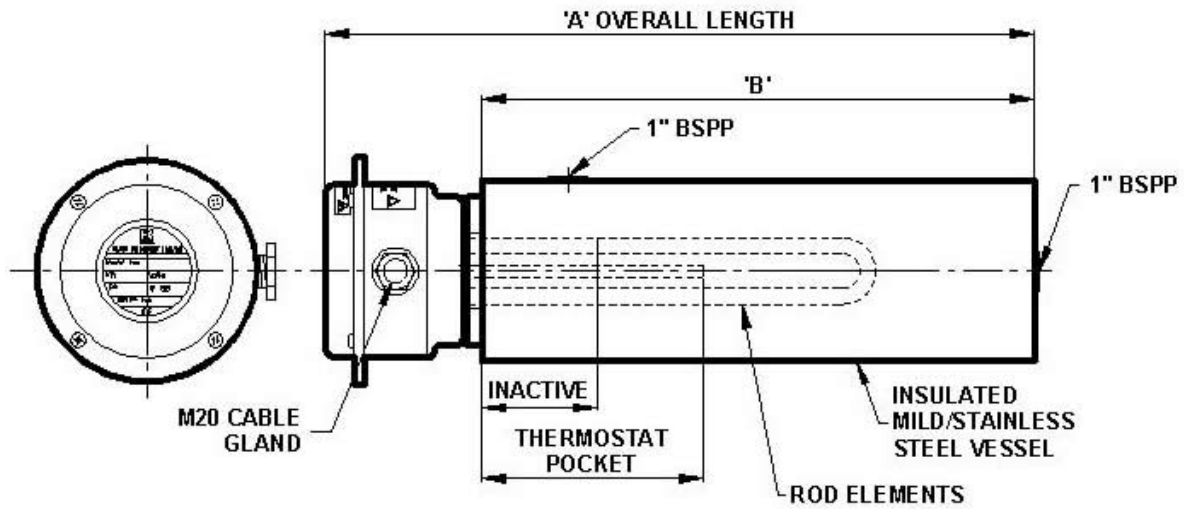
### TYPICAL APPLICATIONS

**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 and platens, closed loop systems for bitumen, etc

**Fuel oil heating:** Pre-heating to pumping viscosity



Model	Loading (kW)	Dimension A (mm)	Dimension B (mm)
MLH1S	1	578	475
MLH2S	2	578	475
MLH3S	3	578	475
MLH6S	6	578	475
MLH9S	9	578	475
MLH3L	3	1028	925
MLH6L	6	1028	925
MLH9L	9	1028	925
MLH12L	12	1028	925

**Note:**

- 475mm Vessel to have 1" BSP Inlet and Outlets
- 925mm Vessel to have 1½" BSP Inlet and Outlets
- 1" BSP Available on requested for 925mm vessels

<b>Cladding</b>	Coated mild steel or 304 stainless steel
<b>Controls</b>	A control thermostat is fitted as standard
<b>Design Code</b>	Sound Engineering Practice (SEP)
<b>Elements</b>	High quality nickel chrome resistance wire compacted in magnesium oxide insulating powder and sheathed in corrosion resistant Incoloy 825/800, 316L stainless steel, withdrawable ceramic core elements housed in mild steel or 316L stainless steel tube
<b>Insulation</b>	Mineral wool
<b>Pressure</b>	Maximum allowable working pressure up to 10 barg / 145 psig subject to design parameters
<b>Thermostat Pockets</b>	One stainless steel pocket brazed to boss
<b>Vessel</b>	Mild steel or stainless steel
<b>Voltage</b>	Standard units are normally designed for 220V to 254V (1 phase) or 380 to 440V (3 phase)