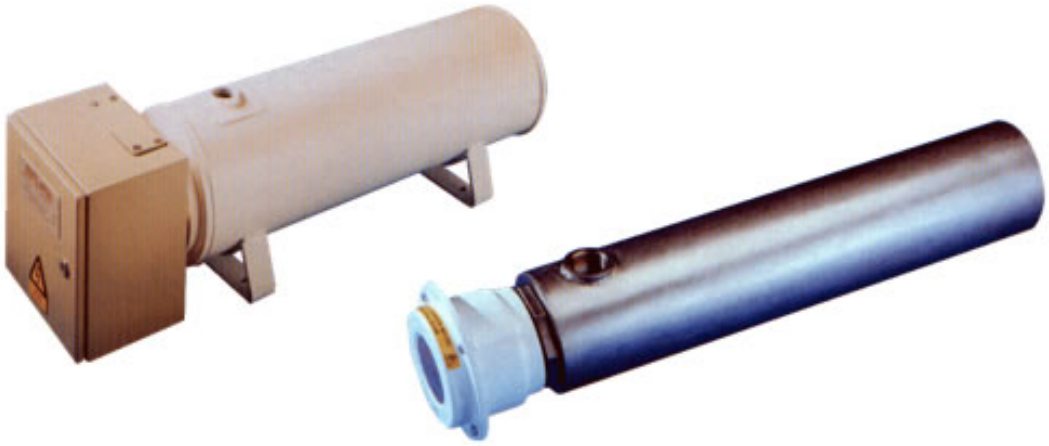
Water Line Heaters

The EXHEAT 'HFW' and 'MLH' ranges of flow / inline heaters are ideal for the direct heating of swimming pools, industrial process water and central heating schemes, or as hot water circulators on large storage tanks. They can be used for heating other process liquids, non-corrosive to the materials of construction. Each heater is fully lagged and comes complete with one control thermostat. The 'HFW' range has a combination control and over temperature protection thermostat.

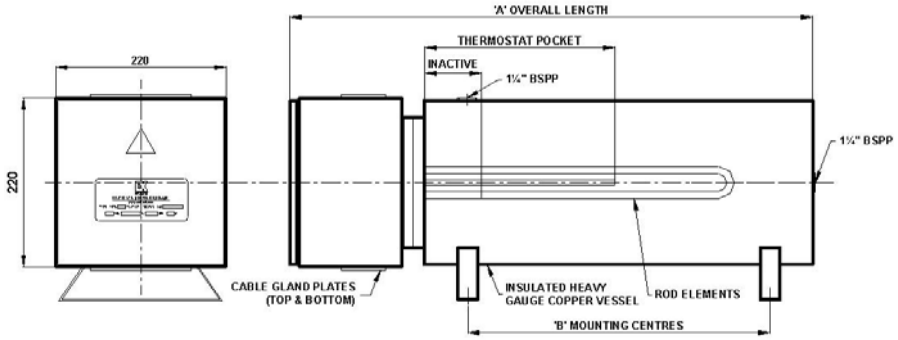


FEATURES

- Heavy duty construction:
  HFW Type - Heavy gauge copper;
  MLH Type - Mild steel or stainless steel.
- Thermally insulated.
- Weatherproof terminal enclosure:
  HFW Type - to IP54;
  MLH Type - to IP66.
- Various alternative control and over-temperature thermostats can be specified.
- Designed for horizontal installation only. Vertical mounting version available on request.

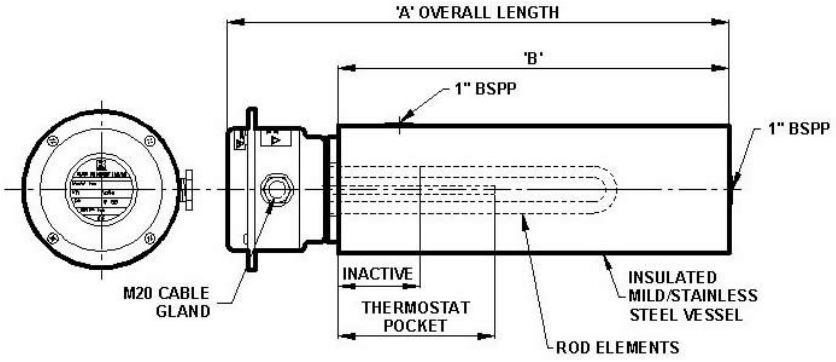
TYPICAL APPLICATIONS

- Industrial washing and rinsing processes
- Indirect heating of liquids
- Engine jacket pre-heating
- Temperature maintenance of storage tanks
- Under floor heating schemes



Model	kW Loading at 415v /3ph	Dimensions (mm)	
		'A'	'B'
HFW 12A	12	820	400
HFW 12B	12	970	550
HFW 18A	18	820	400
HFW 18B	18	970	550
HFW 24A	24	820	400
HFW 24B	24	970	550
HFW 30	30	970	550
HFW 36	36	970	550
HFW 45	45*	970	550
HFW 54	54*	1220	800

* 3ph, 3-wire delta



Model	kW	Dimensions (mm)	
		'A'	'B'
MLH3S	3	578	475
MLH3L	3	1028	925
MLH6S	6	578	475
MLH6L	6	1028	925
MLH9S	9	578	475
MLH9L	9	1028	925
MLH12L	12	1028	925

Note : 1.5" BSP Connections available on request.

Vessel
HFW: Heavy gauge copper.
MLH: Mild Steel or Stainless Steel.

Insulation
Mineral wool.

Elements
High quality Nickel Chrome resistance wire compacted in Magnesium Oxide insulating powder and sheathed in corrosion resistant Incoloy.

Cladding
Corrosion proof mild Steel.

Pressure
The maximum allowable working pressure within the heater is:-
HFW: 3.5 bar.g (50 psi g);
MLH: 5 bar.g (73 psi g).

Design Code
Sound Engineering Practice (SEP)

Voltage
Standard units are normally designed for 220v-415v.

Controls
HFW: A combination control and 'manual' reset thermostat is fitted as standard
MLH: A control thermostat is fitted as standard.

Thermostat Pockets
HFW: Two copper pockets are secured into the flange plate by screwed compression fittings, one of which is thermally linked to the uppermost element.
MLH: One Incoloy 800 pocket brazed to boss.