

# HEATERS

## TECHNICAL DATA

As much as a low viscosity due to a high temperature is detrimental to a system, a high viscosity oil increases friction losses and may damage the pump. As part of an optimal viscosity solution, OLAER Fawcett Christie proposes a large range of heating elements.

Standard heating elements are designed for Max oil viscosity ISO VG68 and starting temperature of approximately 5°C. When heating, insure that the heater element is fully emerged, with the recommended flow conditions. Use temperature regulator and temperature switch to avoid overheating. (See OLAER's Bühler range)

- Standard Voltage 230/400 (other voltages on request).
- Thermal rating about 2.5 watt/cm .
- Protection of cables in rubber cap, protection IP 54
- Heaters for up to 24kW available. Please contact our office for dimensions and flow rates.

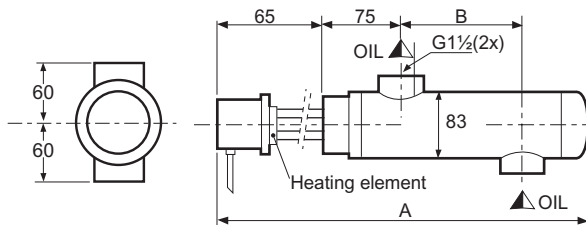
For special executions such as "waterproof", "flameproof", high viscosity, different fluid and other voltage, please contact our office.

### ➤ HRX

#### ELECTRIC HEATERS ON LINE

For mounting in line on return side or in separate circuit. (See rec. flow rates)  
Heating elements HRE type are fitted into rugged carbon steel shell with threaded inlet and outlet.

Min flow rate: 35 l/min.  
Max flow rate: 300 l/min.



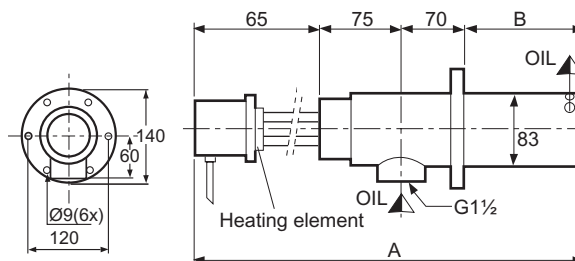
SIZE	kW	A	B
1013	1,3	390	180
1015	1,5	490	280
1020	2	590	380
1030	3	690	480
1040	4	810	600
1050	5	690	480
1060	6	790	580

### ➤ HRT

#### ELECTRIC IMMERSION HEATERS

For tank mounting (See rec. flow rates)  
Heating elements HRE type are fitted into rugged carbon steel shell with a threaded inlet fluid port and a return into the tank.

Min flow rate: 35 l/min.  
Max flow rate: 300 l/min.

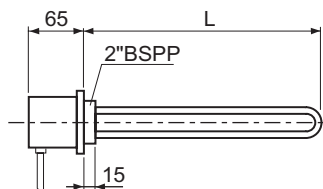


SIZE	kW	A	B
1013	1,3	380	170
1015	1,5	480	270
1020	2	580	370
1030	3	680	470
1040	4	800	590
1050	5	680	470
1060	6	780	570

### ➤ HRE

#### HEATING ELEMENT

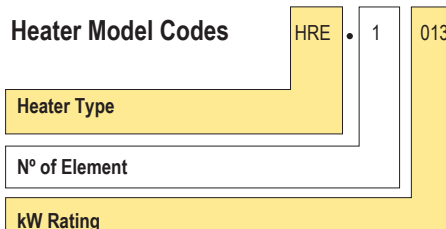
To be inserted directly into the tank in a turbulent area, to raise the thermal efficiency.  
Body and mounting thread (2"BSPP) made of brass alloy. Cover in rubber, can be oriented to suitable position. Resistance in carbon steel with U bends. HRE are also used in HRX and HRT.



SIZE	kW	L
1013	1,3	300
1015	1,5	400
1020	2	500
1030	3	600
1040	4	720
1050	5	600
1060	6	700

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#### Heater Model Codes



Example : HRE.1013