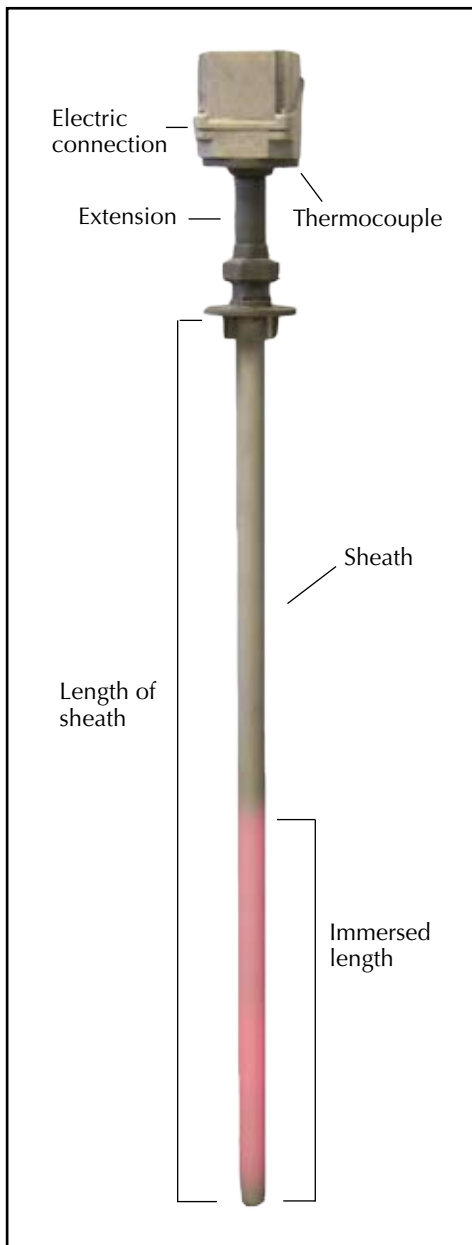


# ACT IMMERSION HEATER

FOR EFFICIENT AND CONSISTENT METAL TEMPERATURE CONTROL IN VESSELS CONTAINING ALUMINIUM, ZINC OR MAGNESIUM



The ACT (Aluminium Compact Thermal) immersion heater is uniquely designed to be directly immersed into molten aluminium baths. The lightweight unit is constructed with an outer sialon sheath and three internal heating elements. The sialon sheath offers excellent resistance to corrosion by molten aluminium and its alloys, as well as good thermal conductivity and high mechanical strength. Only the heating wires of ACT heaters are embedded in a material which provides both electrical insulation and ability to efficiently transfer heat. The result is improved heat transfer to the melt.

## ADVANTAGES

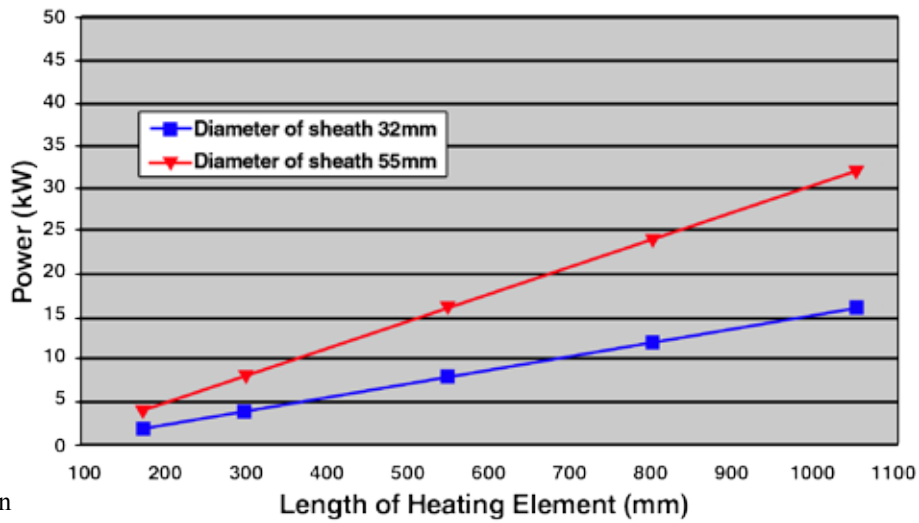
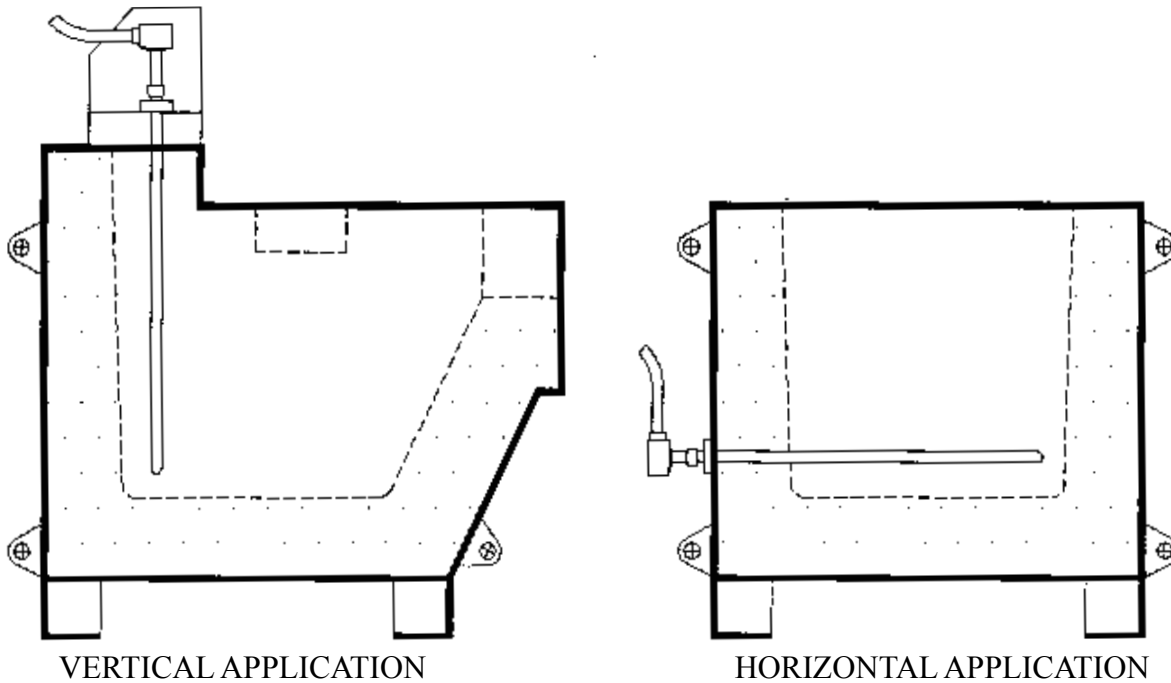
- Energy efficient - offers an efficiency rate close to 100%
- Provides even disbursement of heat throughout the depth of the bath
- Offers maximum isolation from smoke and heat radiation due to efficient heat disbursement
- Quick to install, dismantle and maintain due to its slim profile and lightweight design
- Can be immersed in molten aluminium without preheating
- Can be used as a portable heater

## ALUMINIUM CASTHOUSE APPLICATIONS

- In-line degassing systems
- Supplemental molten metal in-line heat source for continuous casting

## FOUNDRY/DIE CASTING APPLICATIONS

- Holding furnaces (aluminium, zinc, magnesium)
- Low pressure die casting furnaces
- Dosing furnaces
- Ladle degassing stations
- Transfer ladles



Please contact us for other special immersion heater requirements.

AVAILABLE SIZES	
Sheath Diameter	20–55 mm (0.79" to 2.16")
Sheath Length	500–1500 mm (19.68" to 59.06")
Heating Length	Up to 1000 mm (39.37")
Connection Voltage	45–600 volts, single or 3-phase

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Product Type: 143  
Commodity Code: 16001