



HOLDING FURNACE WITH IMMERSION HEATING STØTHERM® STI

STØTEK's holding furnace STØTHERM® with immersion heating, is an extremely high efficiency aluminium holding furnace.

The STØTHERM® is known for its high metal quality, low energy consumption, accurate temperature control, low metal loss and long lining life.

The use of immersion heating, gives the lowest oxidation of the metal, seen on the market and exceptional element life.

STØTEK immersion heater holding furnaces are designed for both holding and dosing.

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STØTEK STØTHERM®	STI1520	STI2020	STI2520	STI4020
Holding Capacity	1500kg	2000kg	2500kg	4000kg
Energy consumption (Typical)	8 kWh	10 kWh	12 kWh	17 kWh
Max. bath temperature	815°C	815°C	815°C	815°C
Heating elements	3 pcs.	3 pcs.	3 pcs.	3 pcs.
Power connection	21 kW	31,5 kW	45 kW	45 kW
Control system	Thyristor	Thyristor	Thyristor	Thyristor
Length	2348 mm	3071 mm	3295 mm	3566 mm
Width	2059 mm	2059 mm	2055 mm	2441 mm
Height	1310 mm	1310 mm	1427 mm	1427 mm

Advantages

- Very high efficiency – up to 80% reduction in energy costs*
 - Immersion heaters ensures low oxidation – up to 95% reduction in metal loss*
 - Low energy consumption compared to industry average
 - Optional two baffle plates to hold back floating oxides
 - Multiple layers of insulation
 - Very low shell temperature
 - Excellent lining life
 - Static and tilting models
 - Very easy access for maintenance through cleaning door
 - Easy operation through PLC control
 - Individual element control
 - Individual element ground fault protection
 - Sialon sleeve protection of elements
 - Optional degassing stone**
 - Optional separate lid over degassing stone
- *when compared with standard reverberatory style furnace
- **Nitrogen or argon supply required