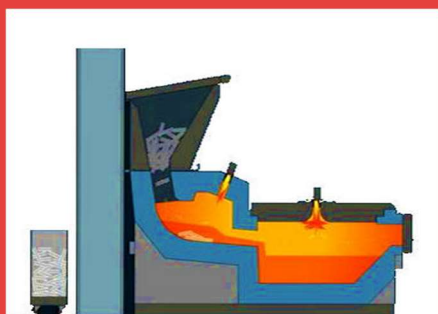


HIGH EFFICIENCY ALUMINUM MELTING

STØTEK SHAFT FURNACE - SMGT

The STØTEK Shaft Furnace is an extremely high efficiency aluminium melting and holding furnace. The tapered shaft design gives optimum melting efficiency and the flat flame burners in the holding section ensures minimal metal oxidation.

The melting speed is equal to the pouring speed. The holding section capacity is approx. 2.5-3 times the ratio of the melting speed to ensure the highest metal quality and temperature control.



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STØTEK SHAFT FURNACE	SMGT0,8/2,0	SMGT1,0/3,0	SMGT1,5/5,0	SMGT 2,0/5,0	SMGT3,0/7,0
Melting rate	800 kg/h	1.000 kg/h	1.500 kg/h	2.000 kg/h	3.000 kg/h
Holding capacity	2.000 kg	3.000 kg	5.000 kg	5.000 kg	7.000 kg
Burner melting	2x320 kW	2x450 kW	2x630 kW	2x700 kW	3x1000 kW
Burner holding	1x230 kW	2x230 kW	2x230 kW	2x230 kW	2x230 kW
Burner modulation	High-low-out	High-low-out	High-low-out	High-low-out	High-low-out
Length	5.800 mm	8.000 mm	9.000 mm	9.500 mm	11.000 mm
Width	3.000 mm	3.000 mm	3.100 mm	3.100 mm	4.270 mm
Height	4.600 mm	5.100 mm	5.600 mm	5.950 mm	8.500 mm
Weight (Calculated)	25.000 kg	34.000 kg	55.000 kg	60.000 kg	70.000 kg
Energy consumption gas	Calculated 500-600 kW/t aluminium on the mix of materials				

Advantages

- Very low energy consumption compared to industry average.
- Tapered shaft for optimum energy exchange
- Minimal metal loss.
- Very low oxidation due to burner and chamber layout
- Easy accessible for cleaning both holding and melting chamber
- Lip axis pouring as bearings are aligned with the spout
- Teapot spout on tilting design accurate pouring and eliminating air flow through the furnace
- Hydraulic charge elevator, ensuring high charge weight
- Very accurate temperature control in both holding and melting chamber
- Straight wall lining for easy cleaning and maintenance
- Integrated gas train