



## CRUCIBLE DOSING AND MELTING FURNACE

# ALUMELTER GAS DOSING - AMGD

STØTEK's ALUMELTER GAS DOSING crucible furnace, excels with the combination of accurate dosing up to 1% accuracy and melting/holding capabilities. Especially where low throughput does not justify a central melt, the furnace is ideal.

The dosing pump is easy lifted for maintenance with the hydraulic hoist. There is a baffle plate separating the dosing side from the charge/degassing side in the furnace.



[www.stotek.com](http://www.stotek.com)

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STØTEK ALUMETER	AMGD650	AMGD1200
Melting rate/hour (Calculated)	240 kg	440 kg
Holding capacity	650 kg	1200 kg
Crucible	BU600 Ø780/380 H900	BU1800/1200 Ø1050/540 H1000
Dosing weight	0,5-6,0 kg	1,0-20,0 kg
Max. bath temperature	780°C	780°C
Power consumption melting (Calculated)	1,2 kWh/kg	1,2 kWh/kg
Burner power	450 kW	630 kW
Burner regulation	High-Low-Out	High-Low-Out
Width & Lenght	1800 mm	2000 mm
Height	1300 mm	1500 mm
Shipping weight (Calculated)	3000 kg	4100 kg

## Advantages

- Accurate dosing of  $\pm 1\%$  by weight
- Melting / holding while dosing
- Melting speed up to 440kg/hr of aluminum
- 40% CO<sub>2</sub> reduction compared to industry average
- Very low energy consumption
- Option of dosing under protective atmosphere\*
- Brick lined with superior cast insulation
- Integrated gas train
- Very low shell temperature
- State of the art controls
- Compact footprint
- Fully enclosed steel shell
- Standard fitted emergency drain
- Metal leakage detection
- Optional load cell frame
- Baffle plate separates charging area and dosing pump