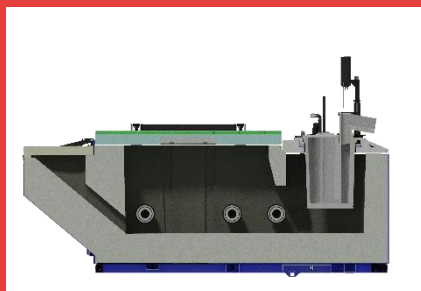


The World's first immersion heater dosing furnace. Giving, unprecedented dosing accuracy, metal quality and heating control.

## DOSING FURNACE WITH IMMERSION HEATING DOSOTHERM® DTI

STOTEK has combined the accuracy from the dosing unit technology with immersion heating, in the DOSOTHERM® DTI. The combination gives improved productivity, high metal quality, reduced metal loss, lower maintenance and operating costs and dosing accuracy not yet seen in the market.



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| STØTEK DOSOTHERM®                                 | DTI1520             | DTI2020             | DTI 2520            | DTI4020              | DTI6020              |
|---|---------------------|---------------------|---------------------|----------------------|----------------------|
| Holding Capacity (Calculated at p 2,6kg)          | 1450 kg             | 2000 kg             | 2500 kg             | 4000 kg              | 6000 kg              |
| Dosing weight                                     | 1,0-20,0 kg         | 5,0-65,0 kg         | 5,0 – 65,0 kg       | 5,0-90,0 kg          | 5,0-150 kg           |
| Max. bath temperature                             | 780°C               | 780°C               | 780°C               | 780°C                | 780°C                |
| Power consumption (Calculated)                    | 7 kWh               | 9 kWh               | 11 kWh              | 16 kWh               | 21 kWh               |
| Power connection                                  | 21 kW               | 31,5 kW             | 45 kW               | 45 kW                | 75 kW                |
| Delivery spout height with standard lifting table | 1474 mm<br>+ 600 mm | 1574 mm<br>+ 600 mm | 1574 mm<br>+ 800 mm | 1574 mm<br>+ 1150 mm | 1767 mm<br>+ 1005 mm |
| Length  | 2750 mm             | 3076 mm             | 3296 mm             | 3372 mm              | 4520 mm              |
| Width   | 1430 mm             | 1430 mm             | 1430 mm             | 1773 mm              | 2408 mm              |
| Height  | 1895 mm             | 1995 mm             | 1995 mm             | 1995 mm              | 2593 mm              |
| Heating elements                                  | 2 pcs.              | 3 pcs.              | 3 pcs.              | 3 pcs.               | 5 pcs.               |
| Dosing accuracy                                   | ±1% by weight       | ±1% by weight       | ±1% by weight       | ±1% by weight        | ±1% by weight        |

## Advantages

- Very high efficiency – up to 80% reduction in energy costs\*
- Very low oxidation – up to 95% reduction in metal loss\*\*
- High metal control – not only no oxygen exchange in a DTI but also low surface temperature
- Accurate dosing of ±1% by weight
- Individual element control
- Sialon sleeve protection of element
- 40% CO<sub>2</sub> reduction compared to industry average
- Excellent heating element life
- Excellent lining life – typically greater than 10 years
- Very low furnace shall temperature
- Optional degassing stone\*\*
- Optional gate baffles for filtration
- Isolation transformer
- Hydraulic height adjustment and back tilting
- Cleaning, filling and a majority of wear parts are replaceable during operation

\* When compared with an open well furnace with ladle

\*\* Nitrogen or argon supply are required