



Holding

MF Induction Furnace Type LFS

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SUCCESS.

MF Induction Furnace

Type LFS

Available systems

- meets requirements for melting ferrous and non-ferrous alloys
- 10.000–40.000 kg capacity (related to cast iron)
- Power supplies between 750–8.000 kW available

Enhanced safety

- Approved ground-fault detection system
- Automatic test of bath-grounding
- Automatic reactivation of detection system after manual deactivation
- Automatic self-test
- Furnace coil designed as headgeho-coil

Furnace Design

- Open design for easy maintenance
- Magnetic yokes
- Separate furnace head for easy exchange
- Segmental technology
- Optimized fume-extraction with ABP ECOTOP®-hoods



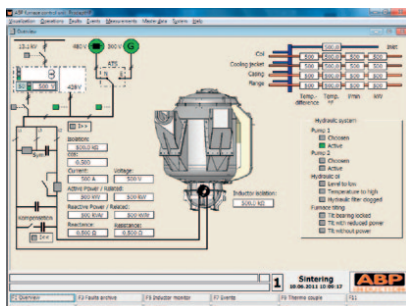
Coil Design

- Long lifetime, based on rectangular copper profile
- Segmental technology allows “breathing” of the coil
- Low energy consumption
- Hedgehog coil for higher safety



Meltprocessor PRODAPT® - Advanced

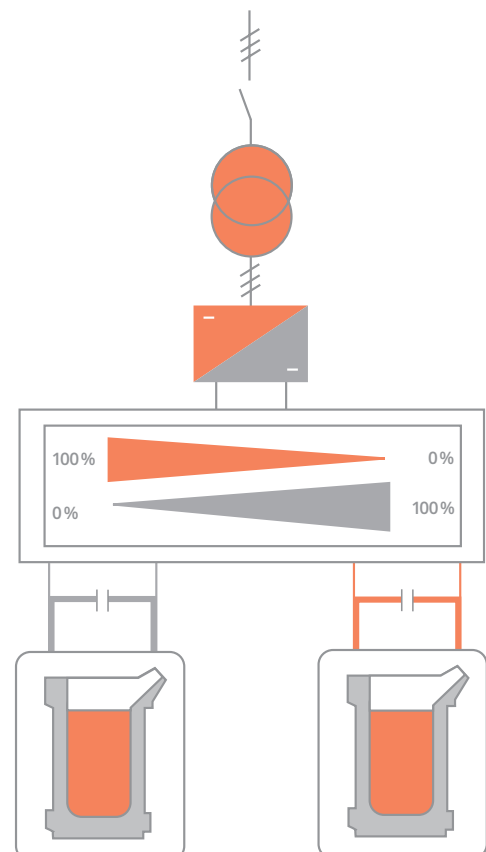
- PLC-based
- Calculation of energy request according to the furnace content
- Control of energy supply for melting and holding operation, as well as for cold-start and sintering
- Monitoring and visualization of operation data and conditions
- System monitoring and alarm function
- Reporting function



Meltprocessor PRODAPT®

2 furnaces, 1 converter – TWIN-POWER® principle

- Converter power freely distributable between both furnaces
- Refractory of a furnace can be sintered, while melting operation of the other
- Simultaneously holding of melt in one furnace, while melting in the other
- Improved usage of the converter
- Lower maintenance costs
- Lower investment costs compared to separated power supplied



TWIN-POWER® principle

Type LFS

Advantages at a glance

- For ferrous and non-ferrous metals
- High reliability and availability
- Low energy consumption
- High operational safety
- Maintenance friendly design
- Low life cycle costs
- energy supply in modern IGBT as well as in approved SCR design



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