

ABP

Holding

Channel Induction Furnace
Type LFR and IRT

Available systems

Type LFR

- 13 40 t capacity for smaller volumes
- Inductor power rating between 500 1.000 kW available

Inductor design

- Water-cooled
- Various channel models for optimized operation and long refractory lifetime
- Automatic trend monitoring of the inductor condition

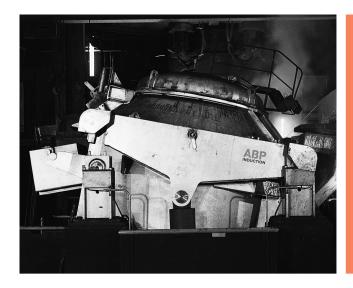
Type IRT

- 60 155 t capacity for bigger volumes
- Inductor power rating between 700 3.000 kW available

Vessel design

- Simultaneous filling and tapping
- Compact, cylindrical-shaped vessel (LFR) for smaller volumes
- Spherical-shaped vessel (IRT)
- Deslagging door at the back
- Tiltable in two directions
- Minimized heat losses





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Furnace processor PRODAPT®-H/P

- Calculation of energy request according to the furnace content
- Control of energy supply for holding operation, as well as for cold-start and sintering
- Monitoring and visualization of operation data and conditions
- Monitoring of inductor key figures and evaluation in inductor diagram
- System monitoring and alarm function
- Reporting function

Efficient power supply with modern IGBT technology

- Compact design based on modular structure
- High efficiency
- No de-ionized water necessary
- Improved availability through short service times during a breakdown
- Power factor $\cos \varphi > 0.95$

Advantages at a glance

- High reliability and availability
- Low energy consumption
- High operational safety
- Maintenance friendly design
- Functional design
- Simultaneous filling and tapping
- High refractory lifetime

