



# ABP INDUCTION

## 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