

ABP
INDUCTION

Pouring

**Pressurized, inductive heated
and unheated pouring systems
Type OCC, OCN and OCU**

Type OCC and OCN

Gravity pouring

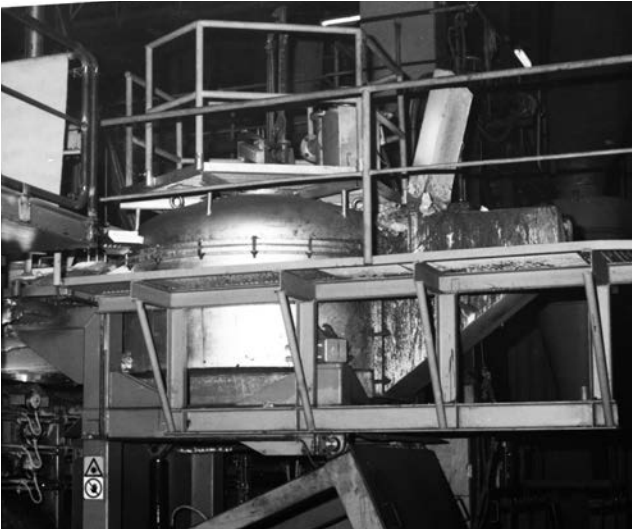
- For iron and copper alloys
- 2.900 – 31.500 kg capacity (related to cast iron, type OCC)
- 130 kW – 800 kW inductor power rating

Power supply

- Proven line frequency technology, (OCC/OCU) or
- Modern IGBT converter technology (OCN)

Low pressure pouring

- 1.000 – 2.500 kg capacity (type OCN)
- 250 – 350 kW crucible inductor
- For efficient filling of the moulds via low pressure pouring process



ABP INDUCTION

Type OCU

Available systems

- For iron and copper alloys
- 2.400 kg – 7.000 kg capacity (related to cast iron)
- Temperature losses $\leq 1,5$ K

Furnace Design

- Possible quick exchange of the vessel
- Low heel for higher flexibility
- Highly accessible channels beneficiary for magnesium treated melt
- Minimized heat losses

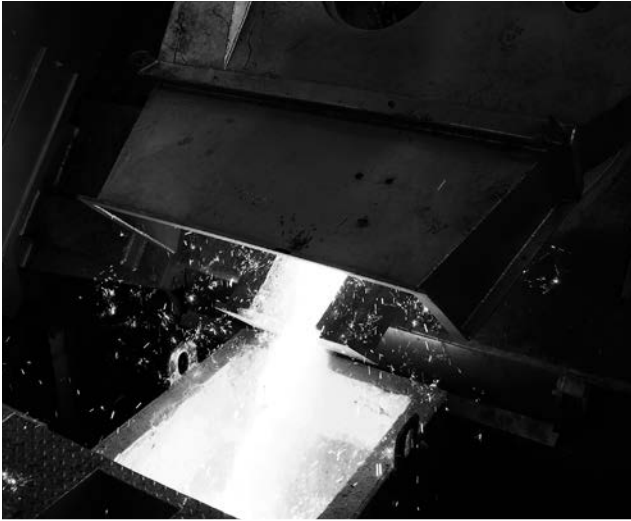
Pouring control system OPTIPOUR®

Teach-In process

- For constant pouring conditions
- Repetition of stored pouring curves
- Closed control circuit
- Available as camera system or line laser system
- Avoids over-pouring
- Saves metal
- Avoids under-pouring of moulds
- Reduced slag inclusions

Advantages at a glance

- For iron and copper alloys
- Slagfree pouring by siphon principle
- Automated pouring
- Double index pouring possible for high throuput with short pouring times
- Easy positioning
- Easy operation, maintenance and installation
- Constant pouring temperature (OCC, OCN)
- Heat losses $\leq 1,5$ K (OCU)



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Pouring

**Unheated pouring
tundish Type UPT**

Available systems

Type UPT

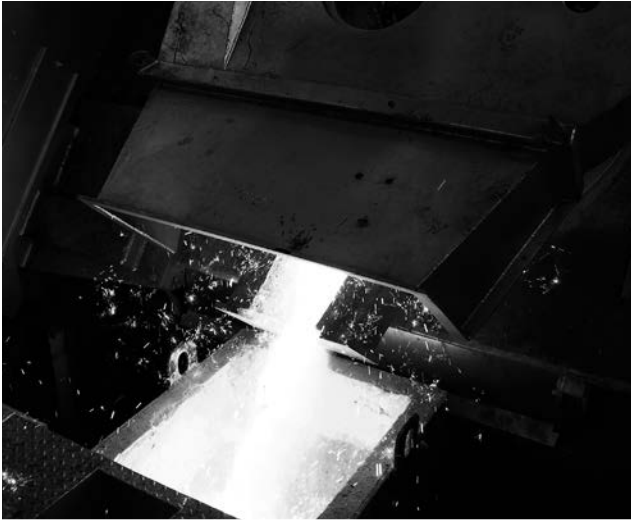
- For ferrous and non-ferrous metals
- 400 – 3.600 kg capacity (related to cast iron)
- Temperature losses 1,5 – 3 K/min

Design highlights

- Tundish and stopper mounted on heavy steel structure
- Long- travel and cross travel
- Load cells
- Rapid tundish exchange by guide pins

Advantages at a glance

- High performance pouring
- Constant casting quality by bottom pouring
- Hydraulic back-tilting mechanism
- Continuous casting operation during re-filling
- No foundation work necessary
- Easy and quick exchange of tundish for casting of different alloys



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**Unheated pouring
tundish Type UPT**

Pouring control System OPTIPOUR®

Teach-In process

- For constant pouring conditions
- Repetition of stored pouring curves

- Closed control circuit
- Measurement of filling level via smart camera or line laser
- Avoids over-pouring
- Saves metal
- Avoids under-pouring of moulds
- Reduced slag inclusions