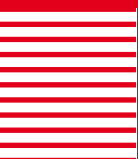


INDUGA

Storage and holding furnace

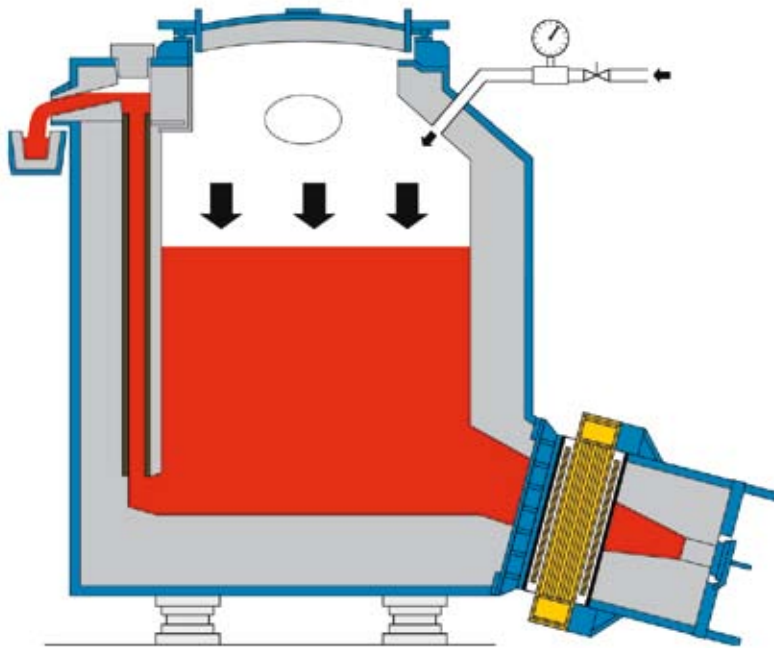
for aluminium alloys



The large series production of castings made from aluminium-silicon alloys for the automotive industry demands large volumes of liquid metal. For economic reasons, the outsourcing of liquid metal has now established itself in these foundries. The delivered liquid metal has to be stored and heated in the casting plant.

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Storage furnace for aluminium alloys



The storage and holding furnace for aluminium alloys consists of a ceramic lined closed cylindrical furnace vessel and a flanged channel type inductor. The storage furnace is filled with liquid metal delivered from the outside supplier or from the own melting plant.

The furnace has a filling opening and a working cover for cleaning and deslagging. The melt is discharged via a siphon by pressuring the furnace chamber with compressed air or nitrogen gas.

Outstanding features of the furnace are:

- availability of homogeneous melt quality
- inexpensive holding of liquid metal
- exact temperature control of the melt
- clean metal as it is discharged via a siphon
- no gas absorption as the furnace is closed
- simple deslagging
- negligible oxidising losses
- optional with load cells for weighing

Technical data

Design	vertical cylinder type furnace
Furnace type	stationary
Metal discharge	discontinuous via siphon by furnace pressuring
Furnace capacity	3 - 25 t
Inductor power	60 - 200 kW
Application	storage of aluminium alloys

INDUGA designs and supplies

- Channel-type induction furnaces for melting, holding and casting
- Coreless induction furnaces for special applications
- Coating pots for steel strip and pieces
- Low-pressure casting machines
- Plasma systems
- Complete plants

Individual solutions are our speciality!

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