

### Samum

A single swivelling extraction hood for induction furnaces with a diameter up to approx. 800 mm

- Low air resistance with good capture of flue gases
- Coupling device for the fast and easy removal of the hood from the furnace

### Hegoa

- An extraction hood for the over-all capture of critical flue gases above induction furnaces

- Double-swivelling mode

- “Capsuled” construction with excellent accessibility to crucible and furnace mouth

- Extraction in all the phases of operation as well as during the ejection of the crucible

### Belat

Extraction area at both downsprue and spout

- Control of extracted quantities by means of a throttle valve and servo-motor
- No obstructions at downsprue and spout areas
- Hood can be easily removed (e.g. during maintenance and servicing ) when required



*Custom Designed  
Solutions for the Extraction  
of Flue Gases*



### Other products

- Ducts
- Spark precipitators
- Feeding systems
- Transport systems on rails
- Dumping troughs
- Design and construction of special purpose machines

### Services

- Planning and consulting
- On-site surveys
- Equipment assembly and operation start-up
- Maintenance and service of installations

Design and delivery of complete solutions for dust extraction systems with extraction hoods, ducts and filter systems

### Contact / Acces



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## IBO - Anlagenbau GmbH

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## Tornado



Varying needs in foundries require custom-built installations adapted to on-site situations. Using its wide ranging experience, IBO-Anlagenbau GmbH is able to carry out the design and installation of custom designed solutions. IBO extraction hoods are in operation world-wide.

### IBO extraction hoods

Have been designed for the use on induction furnaces. Due to the versatile construction our extraction hoods adjust well to all individual requirements of any foundry. Our main objectives are to ensure an optimal capture of flue gases, guarantee additional safety during operation and facilitate the work on the furnace.

### The remarkable features of IBO extraction hoods are:

- direct air duct
- low volume flow rate
- good accessibility to crucible and furnace mouth
- slim design
- easy to operate
- solid construction
- user-friendly construction
- quick assembly

IBO extraction hoods are in operation world-wide



## Tornado

For new installations and refitting existing installations

Low volume flow rate, good extraction capacity

Direct air duct with even capture of flue gases over the total breadth of the extraction hood

Capture of flue gases in all phases of operation as well as during the ejection of the crucible

Solid and durable construction

"Floating" construction avoids damage due to clamping

User-friendly construction. Easy maintenance and assembly

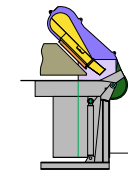
Easy to operate

Slim construction (during the pouring process the ladle is barely pushed aside)

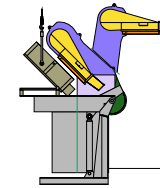
Due to the versatile construction and the various hood shapes our extraction hoods adjust well to all individual requirements of any foundry



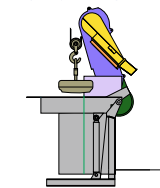
### Filling by wagon



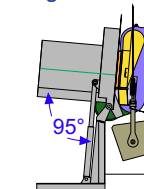
### Filling by bucket



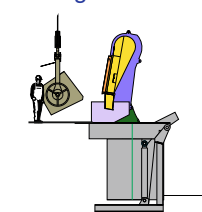
### Filling by magnet



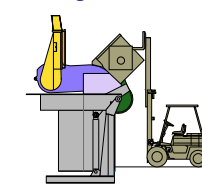
### Pouring



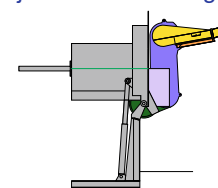
### Refilling from the back



### Refilling from the front



### Ejection of the lining



## Tornado



The streamlined design of the Tornado extraction hood results in a very high extraction performance.

The extraction situated at the rear of the hood absorbs the flue gases over the complete width of the furnace.

The result is definitely better than with side extraction. When the hood is open, the highest extraction performance is on the rear opening.

The low pressure gradually decreases towards the front. Therefore the flue gases can be almost completely absorbed.

In the filling position, when the hood is positioned in a 60 degrees angle to the furnace platform, the rear opening is directly situated over the furnace. Consequently the thermal of the mounting gases additionally improves the extraction performance.

When the extraction hood is closed, the openings are covered by the furnace platform, that means that the total amount of air is absorbed by the front opening of the hood.

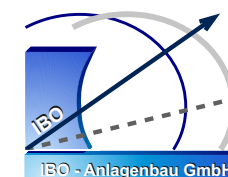


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