

Metso

Smelting and converting solutions

Converter Hood System



The Metso Converter Hood System is designed for smelting plants with converter solutions. The system design ensures a well-controlled ingress air flow that improves process gas quality, while the advanced water-cooling system increases reliability, reduces maintenance needs, and prolongs equipment lifetime.

Excellent SO₂ gas capture

A minimum SO₂ gas capture of 99% results in a converter aisle with low fugitive emissions and a less harsh environment for personnel. The hydraulically operated sliding doors are precisely and smoothly positioned to allow for optimal draught conditions in the system.

Improved process gas quality

The overall ingress airflow into the Primary Converter Hood enters under the front Sliding Door during blowing. The closed Back-flap and tight fitting of the Primary Converter Hood to the converter mouth control the flow of ingress air, improving process gas quality in terms of SO₂ concentration.

Prolonged lifetime & reduced maintenance

The Primary Converter Hood side panel design and advanced water-cooling system reduce maintenance needs and prolong the lifetime of the equipment. The system

eliminates condensation, acidic corrosion and dust build-ups.

Low lifecycle cost

- Environmental benefits
- Increased production with lower emissions
- Swift and easy installation
- Low maintenance
- Long lifetime

Quick and easy installation

Modules are pre-assembled and tested at the factory to enable quick and easy on-site assembly and installation, which allows for minimized production downtime.

Expert service and support

Metso experts are available to provide support during commissioning of the Converter Hood System and comprehensive training for operators and management to ensure the maximum benefits of the system are realized.

Benefits

- Excellent SO₂ gas capture for outstanding environmental performance with a focus on health and safety
- Well-controlled ingress air flow for improved process gas quality
- Prolonged equipment lifetime thanks to the design and advanced water-cooling system
- Reliable operation with low maintenance needs
- Easy on-site assembly and short installation due to modular design
- Backed by expert service and support

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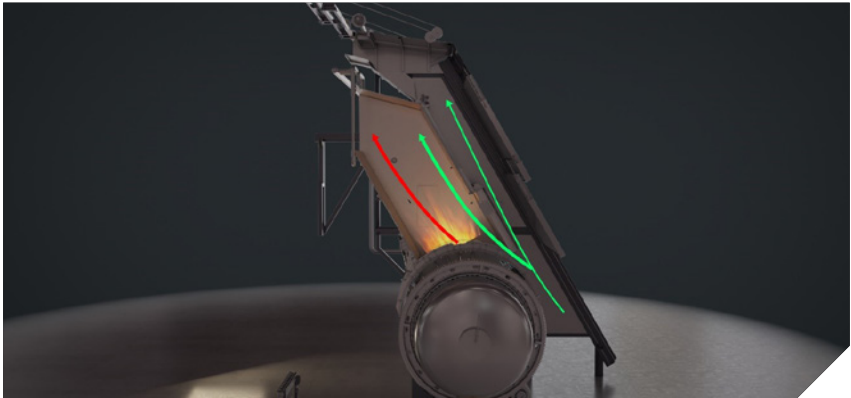
See how the Metso Converter Hood System can optimize your operations.



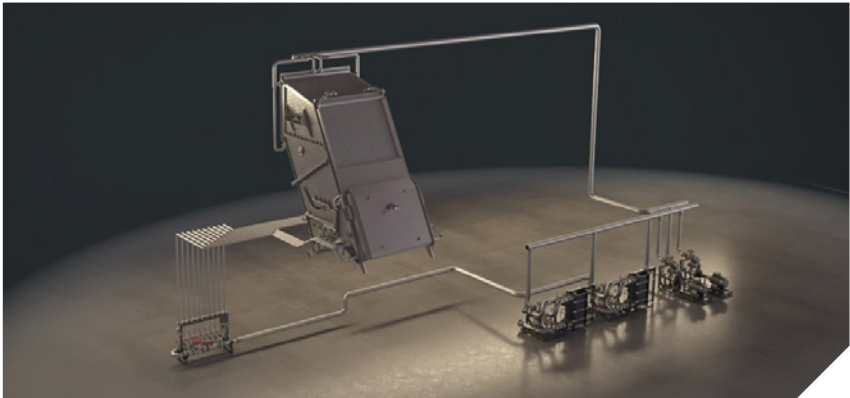
The Metso Converter Hood System installed at Boliden Rönnskär Smelter



Excellent gas capturing during charging of matte



Process gas and ingress air flows during blowing



Metso Primary Converter Hood with modular hood cooling system

Read more at
metso.com/converter-hood-systems