



Metso High Efficiency Scrubber for efficient off-gas scrubbing

IMAGE SOURCE: Metso

Metso High Efficiency Scrubber – efficient off-gas scrubbing in gas cleaning plants

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- Metso reintroduces the High Efficiency Scrubber for off-gas scrubbing in metallurgical, oil, gas, and chemical plants.
- The scrubber features an adjustable scrubbing zone for efficient particle removal at varying gas volumes and dust loads.
- It can be combined with the High Efficiency Scrubber Optimizer to minimize energy consumption based on impurity load.

- **Made of durable materials, the scrubber withstands highly corrosive gases and offers easy maintenance.**
- **Metso provides support during commissioning, operator training, and ongoing technical service for the High Efficiency Scrubber.**

Metso is reintroducing the High Efficiency Scrubber for efficient scrubbing of off-gas impurities in non-ferrous and ferrous metallurgical processes and in oil, gas and chemical plants. The technology is suitable for both greenfield and brownfield installations.

Thanks to its adjustable scrubbing zone, the High Efficiency Scrubber efficiently removes particles from off-gases at varying gas volumes and dust loads. Additionally, the scrubber can be combined with the High Efficiency Scrubber Optimizer, a Metso digital product that automatically optimizes the pressure drop based on the impurity load.

“The High Efficiency Scrubber is made of durable material and can thus withstand highly corrosive gases. In addition to its excellent scrubbing efficiency, the scrubber is maintenance friendly. On top of this, the adjustable scrubbing zone coupled with the digital optimizer minimizes energy consumption while ensuring that performance targets are met even during varying process conditions,” explains **Leif Skilling**, Director, Gas Cleaning at Metso.

Metso has extensive experience with Gas Cleaning Plant design and construction, developed over several decades and enhanced by the company’s continued activities in the research and development of the process.

Benefits of the High Efficiency Scrubber

- High, consistent scrubbing efficiency at varying gas volumes and dust loads
- Highly efficient removal of impurities even at a very low gas volume flow rate
- In combination with the High Efficiency Scrubber Optimizer, energy consumption is minimized based on the impurity load
- Improved environmental performance
- Easy maintenance and low lifecycle costs, thanks to a removable scrubbing zone

- Durable construction materials can withstand highly corrosive gases with a high dust load
- Flexible solution can be configured and optimized to meet different process requirements and plant layouts

Metso experts are available to provide support during commissioning of the Metso High Efficiency Scrubber and can also assist with comprehensive training for operators and management to ensure that the maximum benefits of the system are realized. Metso can also provide ongoing technical support and service as part of a service agreement.

Source: Metso