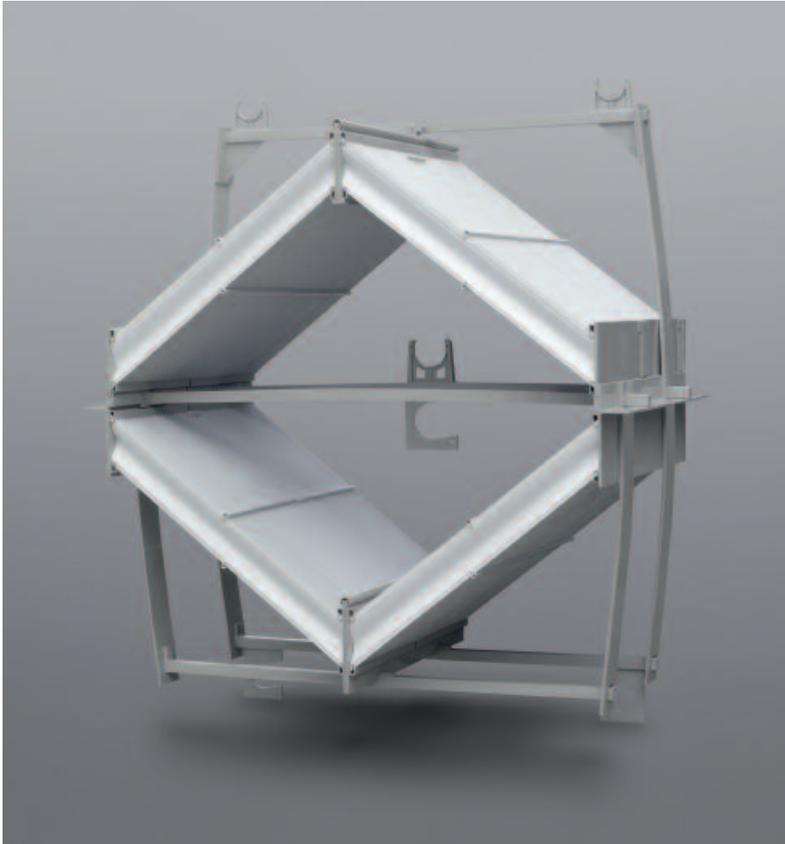


FastFlow

FastFlow

High velocity flow module for greatly reduced scrubber diameter



FastFlow is a breakthrough in mist elimination technology concept designed specifically to address the next generation requirements of increased scrubber velocities. In practice, FastFlow permits superficial gas velocities up to 20% higher than has been possible without the risk of unacceptable pressure drop or of liquid carry over.

Maximum absorber gas velocities encountered today are typically max. 4.3 m/s and these fall well within the operating parameters of FastFlow. This ensures that scrubber diameters up to 8% smaller can be easily handled, without carry-over problems, allowing much greater design freedom, fewer space requirements and reduced manufacturing cost.

For increased freedom in design

- Allows 8% reduction in scrubber diameter
- Handles absorber gas velocities up to 5.2 m/s
- Same space requirement as conventional mist elimination system
- Reduces engineering investment

Process benefits

- Permits very high gas velocity for enhanced performance
- Low water consumption reduces costs
- Fast drainage eliminates carry-over even at high velocity
- Predictable, proven performance at extremes

Performance

- Best performing mist eliminator at very high vertical velocities meets toughest requirements
- Granted rest liquid content lower than 50 mg/Nm³_{dry}

Materials

- Standard material is PP
Special materials are available upon request

Technology

Achieving this step change in performance has been made possible through many small but highly significant design changes. As well as coping with higher velocities FastFlow also reduces the specific water consumption. A new generation of drain systems is also featured in the design, eliminating the risk of re-entrainment of liquid.

The FastFlow concept is also designed to be compatible with the Munters EasyFlow flow optimization modules. The EasyFlow concept equalizes uneven gas flows to extend service intervals, increase service life and contribute overall to smoother process operations.

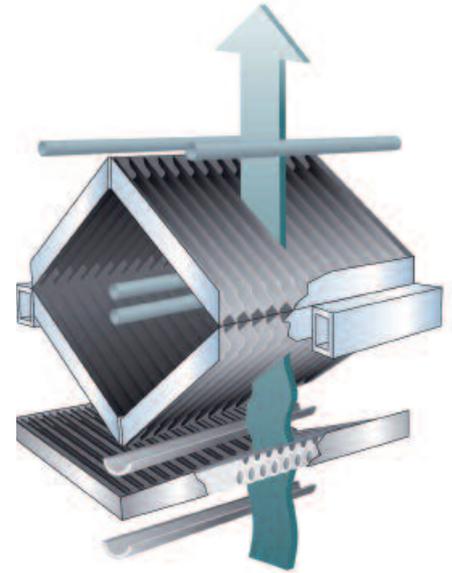
Both FastFlow and EasyFlow are easily installed with minimal space requirements.

The proven success of FastFlow concept demonstrates that the conventionally-accepted parameters of what is possible are there to be challenged - and that Munters, as the technology leader in mist elimination, is up to the challenge.

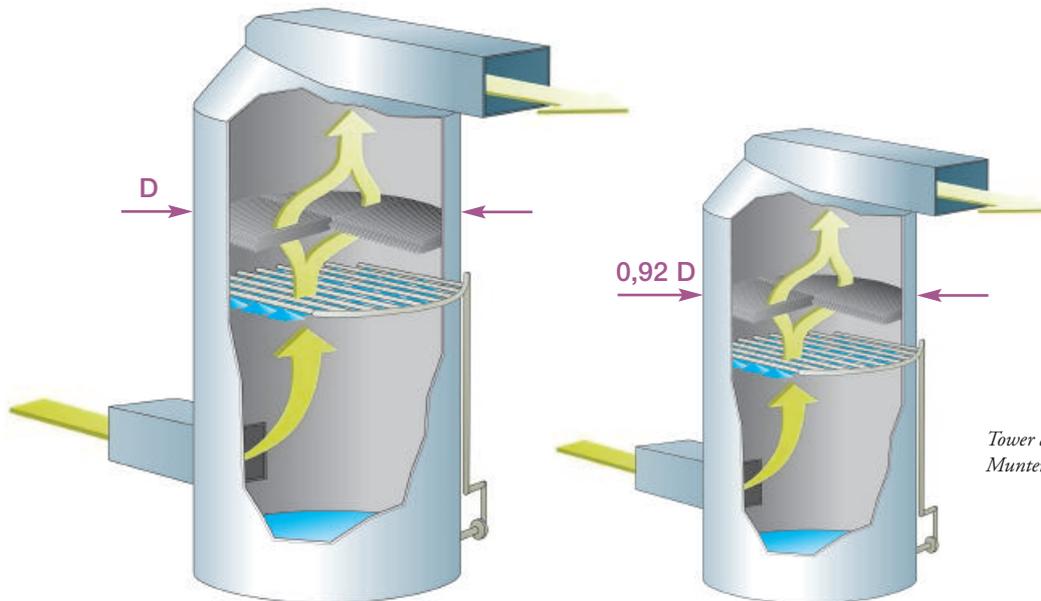
FastFlow is based on extensive re-engineering of the successful DV210 system to cope with the very high velocities encountered in reduced scrubber designs.

FastFlow modules can be installed on single support beams, reducing engineering investment.

EasyFlow modules can be incorporated with the FastFlow design to even out gas flow and extend the service interval and improve process performance.



Combination of EasyFlow and FastFlow concept.



Tower diameter with Munters FastFlow.



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