HANDTE VORTEX

ADVANTAGES

- High plant availability within continuous operation
- Minimal space requirements
- No filter elements required
- Safest solution for flammable and explosive dusts
- High degree of separation
- For light to medium dust loads and mid-sized particle diameters

Application	The Handte Vortex wet scrubber can be used to clean process exhaust air from industrial metal processing applications which generate flammable and explosive dusts, steel dusts, aluminium, magnesium or titanium dusts and chips. Furthermore the Vortex scrubber handles emissions from applications with rubber, leather, plastic fines, fibres, fluff and textile dusts.
Comment	Functional principle of the Handte Vortex wet scrubber: The polluted exhaust air is tangentially introduced and creates a vortex sink on the surface of the scrubbing water. This generates an intensive water vortex through which the polluted exhaust air is led. Intensive mixing causes the pollutants to bond to the scrubbing water. In the downstream demister unit, the exhaust air is guided with the polluted scrubbing water through the separator spiral into a circular, helical stream pattern. The exhaust air and the polluted scrubbing water are separated through centrifugal forces. The purified exhaust air is moved and discharged by the downstream ventilator positioned on the clean gas side. The separated pollutants are fully or partially isolated in the collecting area of the scrubbing water through sedimentation processes. They can be disposed of using various discharge systems.

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