

EFC ATEPHOS MIST ELIMINATORS FOR SULPHURIC ACID INDUSTRY



MODELS

ATB SERIES

APPLICATION EXAMPLES

- Drying Tower
- Interpass Absorbing Tower
- Final Absorbing Tower
- Heat Recovery Systems
- Liquid SO₂
- Wet Sulphuric Acid plants
- Scrubbers

TECHNICAL DATA

- **Brownian diffusion type candle:** due to the very low gas velocities (random Brownian movement sub micron droplets) small sub micron droplets collide on a fibre and are retrained from the gas stream. Larger droplets are retained by inertial impaction mechanism. Horizontal position of the candles facilitates liquid drainage, liquid can be drained outside the tower.
- High velocity
- High gas throughput
- Brownian diffusion Fibre bed
- High Efficiency >99,5%
- Customised fibre beds

MATERIAL OF CONSTRUCTION

Cage Material: SS316L or SS310 for HRS applications

Flange OD: 712 mm

I.D.: 508 mm

O.D. : 610 mm

Effective filter height: up to 5400 mm

Configuration: Hanging or Standing Type Candle

Filter media: chemical resistance glass fibre and special chemical grade reentrainment layers to prevent droplet entrainment and facilitate liquid drainage capacity.

WORKING RANGE / EFFICIENCIES

Max recommended fibre bed velocity: 0,25 m/s

Flow range: 50 – 115 % design flow

Max inlet loading mg/Nm³: 4000 mg/Nm³

Pressure drop: 50 – 500 mmWC (depends flow/element)

Efficiency >= 3 micron: 100%

Efficiency < 3 micron: >99%



FOR FURTHER INFORMATION PLEASE CONTACT US:

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