

# WET DUST EXTRACTION

## WDE 4500 ALUMIX

- Optimally adjusted to LISSMAC Metal Processing Series SBM.
- The sturdy high performance fan is suitable for continuous operation.
- Designed for mixed operation (steel, stainless steel and aluminium).
- Designed for recirculating mode.
- High extraction power through small resistances.
- Max. separation level at minimum water consumption.
- All parts in contact with water made from stainless steel.
- Fully automatic water level replenishment.
- Minimum sound development through sound-insulated fan.
- Easy to drain by drain outlet.
- Incl. 6m vacuum cleaner hose to clean the machine.

### Function principle:

Air containing hazardous material is collected and moves via extraction outlet into the cyclone pre-separator. In the cyclone, the air/particle mixture is forced into a circular path by tangential suction.

The water surface is swirled by the centrifugal force in the filter system. A whirlpool is produced by condensate. This effect leads to an increase of the specific surface of the water, whereby the incoming dust and sparks are directly separated/extinguished or the dust is bound with the water particles.

By the water absorption of the dust particles, their mass is increasing and consequently the separation or centrifugal effect. A higher water consumption can be prevented by the integrated mist eliminator. Additionally the installed wire mesh grease filter is serving as protection for sparks and water particles of the following H 14 filter cassettes.

The separated dust particles are disposed as sludge in the lower area of the filter plant and can be drained by the installed ball valve.

In order to guarantee a better discharging of the sludge, the filter plant is raised, in order to place correspondingly larger containers underneath



TECHNICAL DATA	WDE 4500 ALU MIX
pressure (max.)	approx. 3800 Pa.
volume flow effective	approx. 5000 m³/h
motor	5.5 kW
voltage	400 V / 50 Hz
sound emission	70 dbA
empty weight approx.	650 kg
capacity water container approx.	... Liter
weight filled approx.	... kg
dimensions (W/D/H) approx.	1410/1350/2300 mm

Subject to technical change without notice

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