The air purifiers

Wet cyclone separator



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Description

Wet cyclone separator

The filter unit is appropriate for the filtration of aluminium grinding dust.
As the accumulation of aluminium grinding dust produces a potential risk of explosion, the interior of the WNA-AL protected against sparking due to the explosion-proof engine and the grounded internal parts.
The advantages of the unit are its simple and trouble-free operation. Pumps or jets which could create troubles are not used.
The air is cleaned by swirling the dust with water. The particles in the air flow are enclosed by water and bonded.
The extracted dust particles depose in the lower water tank and can be discharged by the ball valve which is installed at the lowest position of the unit and can be extracted through a maintenance flap.
The fan is suitable for continuous operation and is placed onto the unit by standard.

Properties

Engine control system design:	Sold separately, including cable
Fan design:	on the grounds
Intake opening (mm):	NW 355 – Back
Water consumption (l/h):	18
Water filling quantity during operation (litres):	approx. 450
Volumetric flow (m³/h):	8.000
max. pressure (Pa):	2,700
Engine power (kW):	12.5
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	22
Filter control:	Siemens (S7 + LOGO)
Engine control:	Star-delta connection
Separation efficiency (%):	> 80
Ausblas:	NW 560 – left or right side
Sound level (dB(A)):	74 – in accordance with DIN EN ISO 3744
Width (mm):	1,550
Depth (mm):	1,760
Height (mm):	3,320
Colour:	RAL 7016

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