

*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 deposit 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

<b>Engine control system design:</b>	extern im Schaltschrank mit 10 m Anschlusskabel
<b>Fan design:</b>	auf der Anlage
<b>Intake opening (mm):</b>	NW 355 - hinten
<b>Water consumption (l/h):</b>	18
<b>Water filling quantity during operation (litres):</b>	ca. 450
<b>Volumetric flow (m<sup>3</sup>/h):</b>	8.000
<b>max. pressure (Pa):</b>	2.700
<b>Engine power (kW):</b>	12,5
<b>Supply voltage (V):</b>	400
<b>Connection frequency (Hz):</b>	50
<b>Current consumption (A):</b>	22
<b>Filter control:</b>	Wasserstandskontrolle, Differenzdruck-Überwachung
<b>Engine control:</b>	Stern-Dreieck-Schaltung
<b>Separation efficiency (%):</b>	> 80
<b>Ausblas:</b>	über Bogenschalldämpfer NW 560 - rechte Seite
<b>Sound level (dB(A)):</b>	74
<b>Width (mm):</b>	1.550
<b>Depth (mm):</b>	1.760
<b>Height (mm):</b>	3.320
<b>Colour:</b>	RAL 7016

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