

The air purifiers

TEKA

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

Engine control system design:	Control unit mounted on the left-hand side of the housing
Fan design:	on the grounds
Intake opening (mm):	NW 160 – Back
Water consumption (l/h):	4
Water filling quantity during operation (litres):	130
max. pressure (Pa):	2,400
Engine power (kW):	1.85
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	3.9
Current type:	3Ph+N+PE
Filter control:	Water level monitoring, differential pressure monitoring
Engine control:	Motor protection switch
Separation efficiency (%):	> 80
Ausblas:	About the NW 250 bow silencer – right-hand side
Sound level (dB(A)):	74
Weight (kg):	450
Width (mm):	850
Depth (mm):	1,160
Height (mm):	2,660
Colour:	RAL 7016