

# W3 AIR-EX 1/2D – ATEX-certified industrial compressed air vacuum cleaner for areas with high explosion risk

INDUSTRIAL VACUUM CLEANERS



- ✓ The inside of the filter chamber is ATEX Z20 certified; the outside of the machine is Z21 certified
- ✓ 100% stainless steel construction

## APPLICATIONS:



### Suction unit

Marking	II 1/2D Ex h IIIC T85° C Da/Db - II 2/2G Ex h IIB T6 Gb/Gb	
EX category	CE EX 21 1/2D	
Max waterlift	mmH2O	5.000
Max air flow	m3/h	465-590
Suction inlet	mm	80
Construction	AISI304 stainless steel	
Noise level (EN ISO 3744)	dB(A)	79
Air supply	nlt/min (nm <sup>3</sup> /h)	1530 (92)
Air supply pressure	bar	6
Air supply hose	mm	12

### Filtering Unit

Primary filter	Star	
Total filtering surface area	cm <sup>2</sup>	20.000-460
Material - Efficiency	IEC 60335-2-69	M ANT
Cleaning system	Manual	
Primary filter	Standard	
Surface - Diameter	cm <sup>2</sup> -mm	26.000

### Collection unit

Capacity	lt	65/100
Collection tank	AISI304 stainless steel	

### Encumbrances

Dimensions	cm	75x62x141h
Weight	kg	73

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## **SUCTION UNIT**

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Suction is generated by one Venturi air vacuum unit enclosed in a solid steel head containing sound-absorbing material. This minimises noise during operation.

## **FILTERING UNIT**

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Inside the steel filter chamber is the antistatic polyester pocket filter, which protects the suction unit and prevents the risk of sparks due to static energy build-up. An absolute filter (99.995% of 0.18 micron, Class H) is included to ensure the retention of the finest dust and the purity of the exhaust air.

## **COLLECTION UNIT**

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The vacuumed material is collected in a stainless steel container, mounted on wheels, which allows for quick and clean disposal.