

Single Phase Industrial Vacuum Cleaner with HEPA



ATO-IVC-D3080

Product Overview

The D3080 series features powerful suction, a filter bucket, and dual functionality for both dust and liquid extraction. Compared to other commercial vacuum cleaners, it delivers greater suction power, lower noise levels, higher filtration precision, and more efficient dust removal. It is ideal for suctioning larger particles or fibrous materials. Widely used in workshop cleaning, machining, battery manufacturing, foundries, electronics, textiles, and other industries.

Product Features

1. Drive Fan

The D3080 series features optional premium motorized fans delivering high efficiency, large airflow, and high negative pressure. Each unit is equipped with three fans, fully meeting on-site demands for dust and liquid suction cleaning efficiency. Its user-friendly design incorporates three independent switches for separate control of each motor, accommodating varying suction power and airflow requirements.

The three motors are built into the plastic-molded head, reducing overall weight while offering a sleek, durable, and aesthetically pleasing one-piece molded construction.



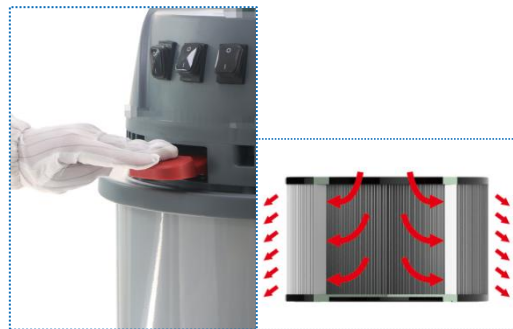
2. High-Efficiency Purification

The D3080 series employs cartridge filtration with high-precision HEPA filters, achieving over 99% filtration efficiency for dust particles with an equivalent diameter of $1.0\mu\text{m}$. It complies with indoor emission standards, features low air resistance, and is easy to clean.



3. Resists Clogging, Effectively Shakes Off Dust

After operating for a period, industrial vacuum cleaners accumulate dust on their filter surfaces. When this dust builds up to a certain level, it clogs the filters. The equipment incorporates a dust-shaking mechanism: reverse air cleaning. This mechanism effectively removes dust adhering to the filter cartridge surface, dislodging it to ensure efficient ventilation of the filter and sustained performance enhancement of the dust collection system.



Backflush Cleaning of Cartridge Filters

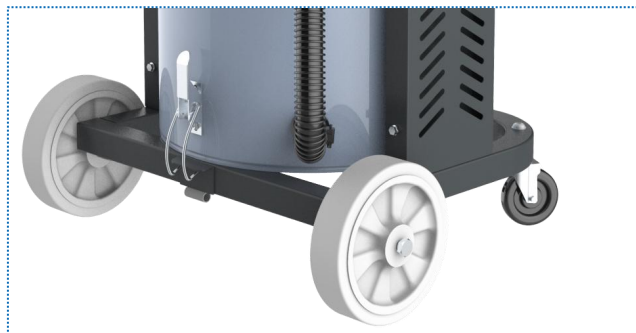
4. Liquid Level Suppression Float

The equipment drum is equipped with a liquid level suppression float ball, effectively preventing liquid from rising and seeping into the motor compartment. (See reference diagram)



5. Mobile Devices: More Effortless

The equipment's mobility is enhanced by combining swivel casters with directional wheels, enabling more agile steering and ensuring smoother, more stable movement.



6. Professional Accessories, Designed for Use Together

- One set of professional D40 standard accessories (includes vacuum elbow, wet/dry floor brush, crevice tool, upholstery brush, wear-resistant hose, etc.).



- **Optional** front-mounted wet/dry vacuum scraper (approx. 70 cm long) significantly boosts work efficiency on large surfaces.



7. Technical Specifications

Model	8KF \$4M \$D3080	8KF \$4M \$D308(
Power	3.6 kW	3.6 kW
Power Supply	Single-phase 220V 50/60Hz	Single-phase 220V 50/60Hz
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Max °	m³/h	m³/h
Liquid Level Switch	Yes	No
Filter Area	m²	m²
Filter Type	HEPA filter cartridge (H-grade)	HEPA filter cartridge (H-grade)
Filter Precision	1.0 µm >99.5%	1.0 µm >99.5%
Dust Collection Bin Capacity	90 L	90 L
#	#-	#-
Filter Cleaning Method	Manual reverse-pulse cleaning	Manual reverse-pulse cleaning
Dimensions	600*650*980 mm	600*650*980 mm
Weight	32 kg	32 kg