

WHITE LINE · DEPURECO · MOBILE DUST COLLECTOR

Depureco DF 075

Mobile dust collector with a centrifugal fan for fine airborne particles. 0.75 kW, up to 800 m³/h depending on inlet size (Ø70, 100 or 120 mm). 65 L bin, class M star filter and optional automatic reverse-jet cartridge cleaning. HEPA H13 available as option.

- 0.75 kW centrifugal fan — robust and quiet operation
- Three selectable inlet sizes — Ø70, 100 or 120 mm
- Up to 800 m³/h airflow
- Class M star filter with 24,000 cm² surface
- Optional reverse-jet cartridge cleaning (SP)
- IP55 with insulation class F — ready for demanding environments



Depureco DF 075 mobile dust collector with centrifugal fan and articulated extraction arm

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · IP55 — Insulation class F · Class M star filter · H13 absolute filter available as option

Quick facts	
Application	Airborne dust
Motor	Centrifugal fan
Power	0.75 kW
Airflow	Up to 800 m³/h
Vacuum	Up to 200 mmH ₂ O
Inlet	Ø70 / 100 / 120 mm
Noise	70 dB(A)
Bin	65 L
IP rating	IP55
Weight	110 kg
Mobility	Wheeled / mobile

What is the Depureco DF 075?

The Depureco DF 075 is a mobile dust collector with a centrifugal fan, developed for capturing fine airborne particles in production environments with moderate air volumes. The machine is supplied with three selectable inlet diameters (Ø70, 100 and 120 mm), which affect both the airflow and the available vacuum: the smallest Ø70 version reaches 185 mmH₂O at 300 m³/h, while the largest Ø120 version delivers up to 800 m³/h at 180 mmH₂O. The 0.75 kW drivetrain is IP55 rated with insulation class F.

The primary filter is a polyester class M star filter with 24,000 cm² surface and manual shake cleaning. Available as options are an automatic reverse-jet cartridge system (SP) with 90,000 cm² antistatic polyester, and a H13 absolute filter adding 120,000 cm² of fibreglass filtration as a secondary stage. The chassis is painted steel, and the machine is mounted on wheels.

Three inlets — one machine: The DF 075 is a single model that can be supplied with three different suction inlets. Choose Ø70 mm when you need higher vacuum, and Ø120 mm when the task demands maximum airflow. Ø100 mm is a good compromise between the two.

Technical specifications

Parameter	Ø70 mm	Ø100 mm	Ø120 mm
Motor type	Centrifugal fan		
Power	0.75 kW (1 HP), 3-phase		
Voltage / frequency	400 V, 50/60 Hz		
IP rating / insulation	IP55 — insulation class F		
Max vacuum	185 mmH ₂ O	200 mmH ₂ O	180 mmH ₂ O
Static depression	180 mmH ₂ O	192 mmH ₂ O	170 mmH ₂ O
Max airflow	300 m ³ /h	600 m ³ /h	800 m ³ /h
Noise level	70 dB(A)		
Collection bin	65 L (100 L optional)		
Dimensions (L×W)	660 × 800 mm		
Height	1,630 mm		
Weight	110 kg		
Primary filter	Star — Polyester class M (IEC 60335-2-69) — 24,000 cm ²		
Filter cleaning (std.)	Manual		
Automatic cleaning (option)	SP — 3× cartridge, 90,000 cm ² antistatic polyester, reverse-jet		
HEPA option	H13 — 120,000 cm ² fibreglass (EN 1822)		
Construction	Painted steel — stainless steel optional		

CE marking based on: EN 60335-2-69 • IEC 60335-2-69 • Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

Options

The DF 075 can be configured with a wide range of options and additional filters that tailor the machine to specific environmental and process requirements.

- **H13 absolute filter (HEPA)** — secondary filter, 120,000 cm² fibreglass, EN 1822-5 (P12819)
- **BFL — class M filter** — additional filter medium, 38,000 cm²
- **ANT M — class M antistatic filter** — 38,000 cm²
- **NOMEX heat-resistant filter** — up to 250 °C
- **PTFE — class M PTFE-coated filter** — 38,000 cm²
- **PTFE ANT — PTFE antistatic class M filter** — 38,000 cm²
- **SP — automatic reverse-jet cartridge cleaning** — 3× antistatic polyester cartridges, 9 m²

- **PSC — pneumatic filter shaker** — pneumatic cleaning system
- **ACB — activated carbon filter** — odour reduction and gas filtration
- **BX — stainless steel bin** — AISI 304
- **GX — stainless steel bin and filter chamber** — AISI 304
- **TX — full stainless steel construction** — AISI 304 (fan excluded)
- **SIL — silencer kit** — reduces operating noise
- **100LT — 100 L bin** — larger collection capacity
- **FX — stainless steel fan** — AISI 304
- **GRD — earth grounding** — ESD protection against electrostatic charging
- **UL/CSA** — UL/CSA certification (on request)

Accessories

The accessory programme includes flexible hoses, couplings, extraction arms and spare filters.

- **P12300/70, /100, /120** — flanged connections for flexible hoses, Ø70, 100 and 120 mm
- **P09697, P10095, P12358** — metal hose clamps, Ø70, 100 and 120 mm
- **P12334/100** — flanged coupling for articulated extraction arm Ø100 mm
- **P12336/100** — articulated extraction arm Ø100 mm, 2.7 m reach
- **P11718** — spare star filter class M
- **P09577** — spare cartridge filter for the SP version (1 pc)

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