

WHITE LINE · DEPURECO · HIGH-POWER MOBILE DUST COLLECTOR

Depureco DF 40

The most powerful mobile DF model. 4 kW centrifugal fan, up to 2,700 m³/h airflow and three selectable inlet diameters (Ø150, 180, 200 mm). 65 L bin, class M star filter and optional 4× cartridge SP cleaning. IP55.

- 4 kW centrifugal fan — the most powerful DF
- Up to 2,700 m³/h with the Ø200 mm inlet
- Up to 370 mmH₂O vacuum at the Ø150 mm inlet
- 45,000 cm² class M star filter
- Options: HEPA H13, 4× cartridge SP, SPK spark trap
- IP55 with insulation class F — ready for demanding environments



Depureco DF 40 high-power mobile dust collector with 4 kW 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	4 kW
Airflow	Up to 2,700 m³/h
Vacuum	Up to 370 mmH ₂ O
Inlet	Ø150 / 180 / 200 mm
Noise	73 dB(A)
Bin	65 L
Filter area	45,000 cm²
IP rating	IP55
Weight	145 kg
Mobility	Wheeled / mobile

What is the Depureco DF 40?

The Depureco DF 40 is the most powerful mobile dust collector in the DF range, designed for demanding point extraction and machine exhaust applications with very high airflow. Its 4 kW centrifugal fan delivers up to 2,700 m³/h with the largest Ø200 mm inlet, and the machine is taller (2,150 mm) and has a larger footprint (630 × 1,100 mm) than the DF 075 and DF 22 to accommodate the larger filter chamber.

The primary filter is a class M polyester star filter with 45,000 cm² surface. Options include an SP system with 4× antistatic cartridges (120,000 cm² in total) with automatic reverse-jet cleaning, and a HEPA H13 absolute filter with 160,000 cm² fibreglass surface. The DF 40 is the only model in the range that offers an SPK spark trap as an option — useful in applications where sparks may form in the inlet material.

The most powerful mobile DF model: The DF 40 is almost twice as powerful as the DF 22 (4 kW vs. 2.2 kW), uses larger inlet diameters (Ø150–200 mm vs. Ø100–150 mm) and has nearly twice the primary filter area (45,000 cm² vs. 24,000 cm²). Choose the DF 40 when the task demands maximum air volume and high filter capacity.

Technical specifications

Parameter	Ø150 mm	Ø180 mm	Ø200 mm
Motor type	Centrifugal fan		
Power	4 kW (5.5 HP), 3-phase		
Voltage / frequency	400 V, 50/60 Hz		
IP rating / insulation	IP55 — insulation class F		
Max vacuum	370 mmH ₂ O	340 mmH ₂ O	270 mmH ₂ O
Static depression	300 mmH ₂ O	270 mmH ₂ O	200 mmH ₂ O
Max airflow	1,500 m ³ /h	2,100 m ³ /h	2,700 m ³ /h
Noise level	73 dB(A)		
Collection bin	65 L		
Dimensions (L×W)	630 × 1,100 mm		
Height	2,150 mm		
Weight	145 kg		
Primary filter	Star — Polyester class M (IEC 60335-2-69) — 45,000 cm ²		
Filter cleaning (std.)	Manual		
Automatic cleaning (option)	SP — 4× cartridge, 120,000 cm ² antistatic polyester, reverse-jet		
HEPA option	H13 — 160,000 cm ² fibreglass (EN 1822)		
Construction	Painted steel — stainless steel and SPK spark trap 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 40 can be configured with a wide range of options that tailor the machine to specific environmental and process requirements.

- **460 V 60 Hz 3-phase motor** — US voltage and frequency
- **H13 absolute filter (HEPA)** — secondary filter, 160,000 cm² fibreglass (P12820)
- **ANT M — class M antistatic filter** — star filter
- **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** — 4× antistatic polyester cartridges, 12 m²
- **PSC — pneumatic filter shaker** — pneumatic cleaning system
- **BX — stainless steel bin** — AISI 304
- **GX — stainless steel bin and filter chamber** — AISI 304
- **TX — full stainless steel construction** — AISI 304 (fan excluded)
- **SPK — spark trap** — protects the filter from sparks in the inlet material
- **FX — stainless steel fan** — AISI 304
- **GRD — earth grounding** — ESD protection against electrostatic charging
- **UL/CSA** — UL/CSA certification (on request)

Accessories

An extensive accessory programme makes the DF 40 flexible in combination with hoses, extraction arms and spare filters.

- **P12300/150, /180, /200** — flanged connections for flexible hoses, Ø150, 180 and 200 mm
- **P12335/70, /100, /120** — two-way flange couplings, Ø70, 100 and 120 mm
- **P12334** — flanged coupling for articulated extraction arm Ø150 mm
- **P12336** — articulated extraction arm Ø150 mm, 3 m reach
- **P12359, P12360, P12503** — metal hose clamps, Ø150, 180 and 200 mm
- **P09120** — spare star filter class M
- **P09577** — spare cartridge filter for the SP version (1 pc)

CONTACT

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