

WHITE LINE • DEPURECO • STATIONARY INDUSTRIAL DUST COLLECTOR

Depureco AF 40 / 55 / 75

Stationary industrial dust collector with integrated cyclone and localised discharge. Three motor variants (4, 5.5 and 7.5 kW) and 340,000 cm² cartridge filtration with automatic reverse-jet cleaning (SP). Complete control panel with star/delta starter included. Ø200 mm tangential inlet.

- Three motor variants — 4, 5.5 and 7.5 kW
- Up to 3,900 m³/h airflow
- Tangential inlet with integrated cyclone
- 340,000 cm² cartridge filtration class M
- SP automatic reverse-jet cleaning as standard
- Control panel with star/delta starter included



Depureco AF stationary industrial dust collector with integrated cyclone and cartridge filtration

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · Class M cartridge filtration · Integrated cyclone pre-filtration · Star/delta starter standard

Quick facts	
Application	Industrial dust
Motor	Centrifugal fan
Power	4 / 5.5 / 7.5 kW
Airflow	Up to 3,900 m ³ /h
Vacuum	Up to 575 mmH ₂ O
Inlet	Ø200 mm tangent.
Cyclone	Integrated
Filter	340,000 cm ² cart.
Cleaning	SP reverse-jet
Weight	409 / 432 / 455 kg
Mobility	Stationary

What are the Depureco AF 40, 55 and 75?

The Depureco AF series comprises three stationary industrial dust collectors — AF 40, AF 55 and AF 75 — designed for permanent installation with localised discharge. Unlike the DF FIX, the AF series has no integrated collection bin; the dust is routed through a discharge valve to an external collection system. That makes the series ideal for continuous operation at high dust loading, where an internal bin would need emptying too often.

The three variants share the same chassis, height (3,175 mm) and filter capacity: 340,000 cm² cartridge filters in polyester class M with automatic reverse-jet cleaning (SP) as standard. The difference lies in motor performance. The AF 40 delivers 2,200 m³/h at 340 mmH₂O, the AF 55 delivers 2,700 m³/h at 517 mmH₂O, and the AF 75 delivers 3,900 m³/h at 575 mmH₂O. The Ø200 mm suction inlet is tangential with an integrated cyclone for pre-filtration, which offloads the cartridges and extends their service life.

A complete control panel is included as standard and comprises a Y/Δ star/delta starter, on/off switch, SP cleaning system control, discharge system control and 5 m cable. The discharge valve (Ø250 mm) is an option and is chosen based on the external collection system the customer connects.

Localised discharge: The DF AF is designed for applications where the dust is not collected internally but is sent directly onward in the process or to an external drum container. The customer selects the discharge solution — from a simple counterbalanced flap to a double electropneumatic butterfly valve that isolates the collection without breaking vacuum.

Technical specifications

Parameter	AF 40	AF 55	AF 75
Motor type	Centrifugal fan		
Power	4 kW (5.5 HP)	5.5 kW (7.5 HP)	7.5 kW (10 HP)
Voltage / frequency	400 V, 50/60 Hz, 3-phase		
Max vacuum	340 mmH ₂ O	517 mmH ₂ O	575 mmH ₂ O
Static depression	270 mmH ₂ O	480 mmH ₂ O	539 mmH ₂ O
Max airflow	2,200 m ³ /h	2,700 m ³ /h	3,900 m ³ /h
Relief valve	Included		
Inlet	Ø200 mm — tangential with integrated cyclone		
Noise level	73 dB(A)	75 dB(A)	74 dB(A)
Discharge valve	Ø250 mm — not included (see options)		
Dimensions (L×W)	1,402 × 1,130 mm		
Height	3,175 mm		
Weight	409 kg	432 kg	455 kg
Primary filter	Cartridges — 340,000 cm ² polyester class M (IEC 60335-2-69)		
Filter cleaning	SP — automatic reverse-jet (standard)		
Control panel (included)	Y/Δ star/delta starter, on/off, SP control, discharge control, 5 m cable		
Construction	Powder-coated steel		

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

Accessories

The extensive accessory programme makes the DF AF flexible in combination with suction hoses in different diameters and allows rapid replacement of the cartridge filter when required.

- **P12300/70, /100, /120, /150, /180, /200** — flanged connections for flexible suction hose, all six diameters (Ø70, 100, 120, 150, 180 and 200 mm)
- **P09697, P10095, P12358, P12359, P12360, P12503** — metal hose clamps for flexible suction hoses, all six diameters (Ø70, 100, 120, 150, 180 and 200 mm)
- **P12478** — spare cartridge filter (1 pcs) for the SP cleaning system

- **P12478/A** — cartridge pre-filter (protects the cartridges from coarse particles between the cyclone and the cartridge filter)

Construction options

In addition to the standard control panel features, a range of construction options tailors the DF AF to specific discharge and noise attenuation requirements.

- **P13328 — sound-attenuating fan cover** — reduces motor noise
- **P12390 / P12391 — counterbalanced flap** — Ø150 or Ø250 mm — passive discharge
- **P12392 / P12393 — manual butterfly valve** — Ø150 or Ø250 mm — manual closure of the discharge
- **P12394 / P12395 — double electropneumatic butterfly valve** — Ø150 or Ø250 mm — isolates the collection without breaking vacuum
- **P12736 — rotary valve** — Ø250 mm — continuous, metered discharge

CONTACT

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