

## WHITE LINE • DEPURECO • STATIONARY DUST COLLECTOR

## Depureco DF FIX 55 / 75

Stationary dust collector with 175 L bin in two motor variants (5.5 and 7.5 kW). Up to 3,900 m<sup>3</sup>/h, 575 mmH<sub>2</sub>O and 175 L capacity. Class M star filter with pneumatic shaker cleaning (PSC) as standard. Integrated control panel with remote control. IP55.

- Two motor variants — 5.5 and 7.5 kW
- Up to 3,900 m<sup>3</sup>/h airflow
- Up to 575 mmH<sub>2</sub>O vacuum (static 539)
- Pneumatic PSC shaker standard — 45,000 cm<sup>2</sup> star filter
- Integrated control panel with remote, safety valve and silencer
- 175 L bin — IP55 and insulation class F



Depureco DF FIX stationary dust collector with 175 L bin and pneumatic filter shaker

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · IP55 — Insulation class F · Class M star filter · H14 absolute filter as option

### Quick facts

|             |                               |
|-------------|-------------------------------|
| Application | Airborne dust                 |
| Motor       | Centrifugal fan               |
| Power       | 5.5 / 7.5 kW                  |
| Airflow     | Up to 3,900 m <sup>3</sup> /h |
| Vacuum      | Up to 575 mmH <sub>2</sub> O  |
| Inlet       | Ø200 mm                       |
| Noise       | 74 dB(A)                      |
| Bin         | 175 L                         |
| Cleaning    | Pneumatic PSC                 |
| IP rating   | IP55                          |
| Weight      | 220 kg                        |
| Mobility    | Stationary                    |

### What is the Depureco DF FIX 55 and 75?

The Depureco DF FIX 55 and DF FIX 75 are stationary dust collectors with a collection bin, designed for permanent installation in production environments where large airflow volumes and continuous duty are essential. Both units share the same chassis and 175 L bin; the difference lies in motor performance. The DF FIX 55 delivers 2,700 m<sup>3</sup>/h at 517 mmH<sub>2</sub>O, while the DF FIX 75 delivers 3,900 m<sup>3</sup>/h at 575 mmH<sub>2</sub>O.

The primary filter is a polyester star filter in class M with a 45,000 cm<sup>2</sup> surface area, and a pneumatic filter shaker (PSC) is fitted as standard. The integrated control panel includes a remote control, safety valve and inlet silencer. Options include automatic reverse-jet cartridge cleaning (SP), a HEPA H14 absolute filter and stainless-steel construction.

**Permanent installation:** The DF FIX is intended for fixed placement within the production environment — typically as central extraction for one or more workstations via rigid ducting or flexible suction hoses. It ships with 5 m cable and an integrated control panel so commissioning is quick. The PSC shaker cleans the filter automatically with compressed air.

### Technical specifications

| Parameter                | DF FIX 55                                                                    | DF FIX 75               |
|--------------------------|------------------------------------------------------------------------------|-------------------------|
| Motor type               | Centrifugal fan                                                              |                         |
| Power                    | 5.5 kW (7.5 HP)                                                              | 7.5 kW (10 HP)          |
| Voltage / frequency      | 400 V, 50/60 Hz, 3-phase                                                     |                         |
| IP rating / insulation   | IP55 — insulation class F                                                    |                         |
| Max vacuum               | 517 mmH <sub>2</sub> O                                                       | 575 mmH <sub>2</sub> O  |
| Static depression        | 480 mmH <sub>2</sub> O                                                       | 539 mmH <sub>2</sub> O  |
| Max airflow              | 2,700 m <sup>3</sup> /h                                                      | 3,900 m <sup>3</sup> /h |
| Inlet                    | Ø200 mm                                                                      |                         |
| Noise level              | 74 dB(A)                                                                     |                         |
| Bin capacity             | 175 L                                                                        |                         |
| Dimensions (L×W)         | 1,670 × 850 mm                                                               |                         |
| Height                   | 1,980 mm                                                                     |                         |
| Weight                   | 220 kg                                                                       |                         |
| Primary filter           | Star — Polyester class M (IEC 60335-2-69) — 45,000 cm <sup>2</sup>           |                         |
| Filter cleaning (std.)   | PSC — pneumatic filter shaker                                                |                         |
| Auto cleaning (option)   | SP — 4× cartridge, 120,000 cm <sup>2</sup> antistatic polyester, reverse-jet |                         |
| HEPA option              | H14 — 160,000 cm <sup>2</sup> fibreglass (EN 1822)                           |                         |
| Control panel (included) | Remote control, safety valve, inlet silencer, 5 m cable                      |                         |
| Construction             | Powder-coated steel — stainless steel as option                              |                         |

**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 FIX can be configured with an extensive range of filter, construction and control panel options that tailor the machine to specific environmental and process requirements.

- **H14 absolute filter (HEPA)** — secondary filter, 160,000 cm<sup>2</sup> fibreglass (P12829)
- **ANT M — class M antistatic filter** — star filter
- **PTFE — class M PTFE-coated filter** — 38,000 cm<sup>2</sup>
- **PTFE ANT — antistatic PTFE class M filter** — 38,000 cm<sup>2</sup>
- **SP — automatic reverse-jet cartridge cleaning** — 4× antistatic polyester cartridge, 12 m<sup>2</sup>
- **BX — stainless steel bin** — AISI 304
- **GX — stainless steel bin and filter chamber** — AISI 304
- **GRD — earth grounding** — ESD protection against electrostatic charging
- **LR — local remote control** — wired remote start/stop
- **WRLS — wireless remote control** — range from the operator station

- **SP cleaning control on the filter unit** — control panel extension
- **Discharge system control** — control panel extension
- **Pressure stabiliser with touch display** — constant vacuum regardless of filter state
- **Level sensor on the filter / collection unit** — control panel extension
- **Inverter** — variable motor speed (on request)

## Accessories

The extensive accessory programme makes the DF FIX flexible in combination with suction hoses, spare filters and alternative inlet sizes.

- **P12300/150, /180, /200** — flanged connection for flexible suction hose, Ø150, 180 and 200 mm
- **P12359, P12360, P12503** — metal hose clamps, Ø150, 180 and 200 mm
- **P09120** — spare M filter (star filter)
- **P09577** — spare cartridge filter for SP version (1 pcs)

---

### CONTACT

#### Particulair — Life Science Hub

Nordic specialist in industrial vacuum for pharma & life science

Højtoften 12, 2690 Karlslunde, Denmark

Tel: +45 70 23 12 03 · [sales@particulair.com](mailto:sales@particulair.com) · [particulair.eu/life-science/](https://particulair.eu/life-science/)