

CLEAN ROOM • DELFIN • FIXED PHARMACEUTICAL DUST COLLECTION

Delfin PHARMA 20.18

Fixed pharmaceutical vacuum for dry collection in AISI304 stainless steel with star filter and manual cleaning system. Optional H14 HEPA filter, safe bag system, GMP-compatible, antistatic polyester filter media — purpose-built for on-board suctioning in classified mid-size pharmaceutical facilities.

- Star filter with integrated ergonomic manual cleaning system — robust and intuitive
- Optional H14 HEPA filter: 99.995% filter efficiency at MPPS
- AISI304 stainless steel with heat-treated finish — satin exterior, polished interior
- 50 mm clamp connection in AISI304 stainless steel — secure and simple to maintain
- Safe bag system optional — fully enclosed material handling for potent substances
- 270 m³/h — ideal for continuous operation in mid-size clean rooms



Delfin PHARMA 20.18 fixed pharmaceutical vacuum in AISI304 stainless steel

H14 HEPA optional — EN 1822 (99.995% MPPS) · Antistatic polyester — IEC 60335-2-69 class M · GMP-compliant — pharmaceutical collection · CE — Machinery Directive 2006/42/EC · CE — Low Voltage Directive 2014/35/EU · EMC Directive 2014/30/EU

Quick Facts	
Filter Type	Star filter
HEPA Option	H14 HEPA
Motor Type	Electric
Power	2.2 kW / 400V
Airflow	270 m³/h
Max Vacuum	3,000 mmH ₂ O
Noise	70 dB(A)
Tank	22 L — AISI304
Weight	75 kg
Collection	Dry only
GMP-compliant	Yes
Safe Bag	Optional

What is Delfin PHARMA 20.18?

PHARMA 20.18 is Delfin's most popular fixed pharmaceutical vacuum, purpose-built for on-board suctioning in pharmaceutical manufacturing, semiconductor, and biotech industries. The entire unit is constructed in AISI304 stainless steel—an alloy that resists corrosion from the aggressive disinfectants and chemicals used in classified areas. The tank exterior finish is heat-treated satin, while the interior surface is polished for maximum ease of cleaning.

The heart of PHARMA 20.18 is the innovative star filter with integrated manual cleaning system. The filter is constructed as a twelve-pointed star that rotates when you insert your arms into the machine’s guided

sleeves—simple and safe. The filter medium is antistatic polyester class M per IEC 60335-2-69, ensuring electrostatic discharge without compromising filter efficiency. For the highest cleaning standard, you can add an optional H14 HEPA filter (99.995% at MPPS)—perfect for OEB 4–5 classified environments.

The clamp connection (50 mm) is fabricated in AISI304 stainless steel and can be fitted to various hose diameters without adapters. The unit is fully compliant with GMP requirements in classified mid-size facilities and can be equipped with a safe bag system for completely enclosed handling of potent materials.

With an airflow of 270 m³/h and maximum vacuum of 3,000 mmH₂O, PHARMA 20.18 is ideal for continuous operation in mid-size clean rooms and facilities without requiring dedicated foundations or complex installation. The modular design with integrated transport handle makes it easy to relocate between different work stations.

GMP Compliance: PHARMA 20.18 is engineered for pharmaceutical production and meets material and surface specifications for classified mid-size clean rooms (ISO class 4–5). With optional H14 HEPA filter, it can support OEB class 4–5 process requirements. The safe bag system option enables fully enclosed handling of potent materials in compliance with GMP Annex 15.

Technical Specifications

Parameter	Value
Filter Type	Star filter with manual cleaning system
Filter Medium	Antistatic polyester M (IEC 60335-2-69)
Filter Surface Area	12,000–360 cm ² -mm
HEPA Filter Option	H14 absolute filter (FI.0632.0000) — 99.995% MPPS (EN 1822-5)
HEPA Filter Surface Area	20,500 cm ²
Motor Type	Electric
Power	2.2 kW
Voltage	400 V, 50 Hz, 3-phase
Current Draw	4.6 A
Max Airflow	270 m ³ /h
Max Vacuum	3,000 mmH ₂ O
Continuous Vacuum	2,200 mmH ₂ O
Noise Level	70 dB(A) at EN ISO 3744
Suction Inlet	Clamp connection 50 mm AISI304
Tank	22 L — AISI304 stainless steel (satin/polished)
Tank Bottom	Heat-treated welded (no crevice-prone welding)
Filter Cleaning	Manual — integrated ergonomic cleaning system
Collection Type	Dry only — safe bag system optional
Dimensions	70 × 51 × 129 cm (W × D × H)
Weight	75 kg
Material	AISI304 stainless steel (heat-treated, satin exterior/polished interior)
Transport Handle	Integrated carrying handle

CE marking based on: EN 60204-1:2018 • EN 60335-1:2012 (A11:2014, A13:2017, A15:2021) • EN 60335-2-2:2010 (A11:2012, A1:2013) • EN 61000-6-2:2005 • EN 61000-6-4:2007 (A1:2011)

Options and Accessories

PHARMA 20.18 ships with a standard star filter and AISI304 clamp connection. Several important options and replacement parts are available as needed.

- **FDA-certified antistatic filter** — FDA-approved variant of the star filter for FDA-regulated projects
- **H14 HEPA absolute filter** (FI.0632.0000) — highest filter class, 99.995% MPPS
- **Stainless steel filter chamber** (XX) — upgrade to full AISI304 construction in filter chamber
- **Filter chamber and frame in stainless steel** (XXX) — full AISI304 construction throughout
- **Internal polishing** (XX/IP) — polishing of filter chamber and tank for maximum smoothness
- **Grounding battery** (MT) — grounding kit for additional electrostatic safety
- **Safe bag system** (SB) — safe bag system for completely enclosed material handling
- **Safe bag replacement sacks** (FI.0469.0000) — pack of 10 replacement sacks
- **2"/50 mm clamp connection kit** (TA.1118.0000) — stainless steel clamp couplers
- **1.8 kW single-phase motor** (SP) — V230/50/60 Hz for single-phase locations

CONTACT

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