

CLEAN ROOM • DELFIN • LARGE-SCALE PHARMACEUTICAL STAINLESS STEEL VACUUM

Delfin PHARMA 40.30/40.40

Large-scale pharmaceutical-grade stainless steel vacuum for cleanroom processes with AISI304 collection tank, H14 HEPA filter, and Star-type media. Bag-in/bag-out containment optional. Dual motor sizes 3–4 kW. OEB Level 3.

- AISI304 stainless steel throughout — tank, chamber, clamp connection
- H14 HEPA filter standard — pharmaceutical-grade particle retention
- Star-type media with integrated manual cleaning — energy efficient
- 42-litre collection tank — stable for continuous operation
- Dual motor sizes: PHARMA 40.30 (3 kW) and PHARMA 40.40 (4 kW)
- Safe Bag system (BiBo) — sealed filter replacement containment



Delfin PHARMA 40.30 large-scale pharmaceutical-grade stainless steel vacuum for cleanroom processes

CE — Machinery Directive 2006/42/EC · H14 HEPA filter · AISI304 stainless steel · OEB Level 3 · Bag-in/bag-out containment option

Quick facts	
Filter type	Star + H14
Operation	Stationary
Power	3 / 4 kW
Airflow	318 / 420 m³/h
Vacuum	3,200 mmH ₂ O max
Tank	42 L AISI304
Noise	69 dB(A)
OEB	OEB 3 standard
Weight	120 kg
Containment	BiBo option

What is Delfin PHARMA 40.30/40.40?

Delfin PHARMA 40.30/40.40 is a large-scale pharmaceutical-grade stainless steel vacuum designed for cleanroom processes where cleanliness and safety are critical. The entire unit — tank, filter chamber, clamp connection — is constructed from AISI304 stainless steel with polished internal surfaces. H14 HEPA absolute filter is standard equipment and ensures pharmaceutical-grade particle retention. The Star-type media with integrated manual cleaning reduces energy consumption and is typically found in GMP-certified facilities and OEB environments.

The unit comes in two power ratings: PHARMA 40.30 (3 kW, 318 m³/h) for smaller process lines, and PHARMA 40.40 (4 kW, 420 m³/h) for higher throughput processes. Both models share the same 42-litre collection tank, Star-type media, and premium AISI304 construction. The Safe Bag system (sealed bag-in/bag-out containment) can be added for enhanced safety during filter changes.

Dual motor sizes — single pharmaceutical design: PHARMA 40.30 and PHARMA 40.40 share the same tank, filter chamber, and AISI304 construction. Selection is based on process throughput: 40.30 for smaller lines (318 m³/h) and 40.40 for higher loads (420 m³/h). Contact us for sizing guidance.

Technical Specifications

Parameter	PHARMA 40.30	PHARMA 40.40
Voltage	400 V, 50 Hz, 3-phase	400 V, 50 Hz, 3-phase
Power / current	3 kW / 6.5 A	4 kW / 8.4 A
Airflow (max)	318 m³/h	420 m³/h
Filter bed load (m³/m²/h)	159	210
Vacuum (max)	3,200 mmH ₂ O	3,200 mmH ₂ O
Vacuum (continuous)	2,600 mmH ₂ O	2,600 mmH ₂ O
Suction inlet	Clamp connection Ø70 AISI304	Clamp connection Ø70 AISI304
Capacity	42 L	42 L
Tank material	AISI304 stainless steel (polished interior)	AISI304 stainless steel (polished interior)
Noise level (EN ISO 3744)	69 dB(A)	69 dB(A)
Dimensions (L×W×H)	76 × 52 × 155 cm	76 × 52 × 155 cm
Weight	120 kg	120 kg
Filter type	Star-type media — Antistatic Polyester M	
H14 HEPA filter	Standard equipment — safety filter	
Filter bed load range	20,000–420 cm²–mm	
Cleaning	Manual — integrated Star-type system	
OEB Level	OEB 3 standard — OEB 4–5 with upgrades	

CE marking based on: Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU • Filter standards ISO 11155:2011

Options

PHARMA 40.30/40.40 can be configured with specialized filtration systems, containment solutions, and material upgrades to meet individual GMP or OEB requirements.

- **H14 HEPA absolute filter kit** — already standard; upgrade to FDA-certified antistatic media available
- **Stainless steel filter chamber (XX)** — AISI304 around filter mechanism
- **Polished inner filter chamber (XX/IP)** — higher cleanliness standard (requires XX)
- **Full AISI304 construction (XXX)** — filter chamber and frame in stainless steel
- **Earth grounding (MT)** — ESD protection against electrostatic discharge
- **Safe Bag system (SB)** — sealed bag-in/bag-out for safe filter replacement
- **Safe Bag replacement pouch** — consumable FI.0469.0000
- **AISI304 clamp coupling kits** — 3"/70 mm or 3"/50 mm for suction inlet

CONTACT

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