

DELFIN · OEB FACILITIES · H14 BIBO FILTER UNIT

Delfin CANISTER

H14 BIBO filter unit in AISI 304 — Stage 2 of Delfin's modular three-stage containment system. With 100,000 cm² of filter surface and BIBO filter replacement as standard, the CANISTER ensures that the remaining airstream from the cyclone separator is cleaned to 99.995 % efficiency, and that the operator never contacts the spent filter.

- H14 absolute filter with BIBO replacement as standard — operator never contacts the spent filter
- 100,000 cm² filter surface — long filter service life and low pressure drop
- Differential pressure sensor as optional — electrical signal to BMS system
- Mobile on 4 wheels with fold-down work surface — facilitates filter replacement
- Combined with SEP.DC-020 cyclone separator and CV vacuum unit in a complete OEB 5 system



Delfin CANISTER CST.DC-001 H14 BIBO filter unit for OEB 4-5 containment in pharmaceutical production

OEB 4–5 — as part of complete three-stage system · H14 — 99.995 % MPPS · BIBO filter replacement — standard · CE — Machinery Directive 2006/42/EC · GMP compatible · AISI 304 stainless steel

Quick facts	
OEB suitability	OEB 4–5 (system)
Filter	H14 BIBO (standard)
Filter surface	100,000 cm²
Efficiency	99.995 % MPPS
Airflow (max.)	1,000 m³/h
Construction	AISI 304
Mobility	4 wheels
Weight	60 kg
Spare kit	KT.2961.0000

The CANISTER as the second stage of the containment system

The CANISTER (CST.DC-001) is the filter unit — the second stage of Delfin's modular containment system for pharmaceutical production. It receives the airstream from the cyclone separator (SEP.DC-020), which has already removed up to 98 % of the powder, and filters the remaining fraction to H14 level at 99.995 % efficiency at 0.18 µm. Filter replacement is carried out using the BIBO method as standard, so the operator never contacts the collected material. The CANISTER is mobile on four wheels and can be positioned in the technical room alongside the CV vacuum unit, or directly on the production floor next to the process machinery.



SEP.DC-020 cyclone separator — Stage 1

Stage 1

SEP.DC-020

Cyclone separator with H14 absolute filter and BIBO containment bag. Retains ≥ 98 % of powder. [View product page](#) →



CANISTER H14 BIBO filter unit — Stage 2

Stage 2 — [This page](#)

CANISTER (CST.DC-001)

H14 BIBO filter unit in AISI 304. 100,000 cm² filter surface. 99.995 % efficiency at 0.18 μ m.



CV vacuum station — Stage 3

Stage 3

CV Vacuum Station

Free-standing vacuum unit with side channel blower — located in technical room. Available in 1.8–7.5 kW.

The CANISTER is not a complete vacuum cleaner: It is a filter unit that requires a connected vacuum unit (CV series) as the negative pressure source. In the standard system the CANISTER is placed in the chain SEP.DC-020 → CANISTER → CV unit. Contact us for guidance on the right configuration.

H14 BIBO filtration in detail

The H14 absolute filter fitted in the CANISTER has a filter surface of 100,000 cm² and meets class H14 in accordance with EN 1822, corresponding to 99.995 % efficiency at the MPPS particle size of 0.18 µm. This is the absolute filtration level required in OEB 4–5 processes to protect the environment and operator.

Filter replacement is carried out using the BIBO method (Bag-in Bag-out): the spent filter is encapsulated in a special bag before being removed from the filter housing, so the operator never directly contacts the contaminated filter. A spare parts kit containing a new H14 filter and BIBO bag is available under part number KT.2961.0000.

As an option, the CANISTER can be fitted with a differential pressure sensor that continuously monitors the filter's pressure drop and transmits electrical signals to the facility's BMS system. This enables planned maintenance based on actual filter loading rather than fixed intervals.

The CANISTER is mounted on four wheels and is supplied with a fold-down work surface that facilitates handling during filter replacement. The construction is in satin-finished AISI 304 stainless steel, providing the robustness and GMP compatibility required in pharmaceutical production environments.

Technical specifications — CANISTER CST.DC-001

Parameter	Value
OEB suitability (system)	OEB 4–5 (as part of complete three-stage system)
Filter class	H14 — 99.995 % MPPS at 0.18 µm
Filter surface	100,000 cm ²
Filter replacement	BIBO (Bag-in Bag-out) — standard
Filter indicator	Differential pressure sensor — optional (KT.2961.0000)
Max. airflow (compatible vacuum unit)	1,000 m ³ /h

Parameter	Value
Suction inlet	Clamp 3"
Construction	AISI 304 satin-finished stainless steel
Mobility	Mobile on 4 wheels — fold-down work surface
H14 BIBO spare kit	KT.2961.0000
Crimping tool	KT.1782.0000 — optional
Dimensions	70 × 75 × 155h cm
Weight	60 kg

CE marking based on: Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

CONTACT

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