

The Holten Sterile series from Thermo Electron is a vertical airflow cabinet for maximum product protection for general handling.

Product Features

- Exceptionally low noise of 55dBA measured 0.3m from the front of the cabinet, allowing continuous running and avoiding daily cleaning procedures
- Convenient to use with a sloping edge to the work surface and rounded front
- Optional services such as vacuum, CO₂ and gas taps are readily accessible
- Choice of stands enables cabinets to be set up for user comfort
- Easy to clean with a smooth stainless steel work surface and glass window
- Optional UV light helps to restrict bacterial growth
- Simple to service the cabinets from above: DOP challenge testing of filter integrity is foreseen with a service connection already installed for particle counting
- Vertical air flow: Air goes through a prefilter area on top of the unit and is forced by the blower through the HEPA filter
- Prefilter is classified in the European classification EU-3, which corresponds to the American classification ASHRAE with 83% efficiency level



Application

The Vertical Flow cabinet is for handling many samples. As clean air arrives from above, samples near the front, as well

as those towards the back, are protected, unlike a Horizontal Flow cabinet where samples must not be placed behind others,

in order to prevent cross-contamination. Thus nearly all the work surface is usable for samples in a Vertical Flow cabinet.

Specifications

Cat No	54250112	54250113	54250114	54250115
Model No.	Sterile 0.9	Sterile 1.2	Sterile 1.5	Sterile 1.8
Light Intensity Lux	> 1000	> 1000	> 1000	> 1000
Air velocity m/sec	0.40±20%	0.40±20%	0.40±20%	0.40±20%
Noise dBA	<55 dBA	<55 dBA	<55 dBA	<55 dBA
HEPA Filtration	99.995% MPPS = H14	99.995% MPPS = H14	99.995% MPPS = H14	99.995% MPPS = H14
Interior Dimensions mm	705 x 900 x 600	705 x 1200 x 600	705 x 1500 x 600	705 x 1800 x 600
H x W x D (in)	27.76 x 35.43 x 23.62	27.76 x 47.24 x 23.62	27.76 x 59.06 x 23.62	27.76 x 70.87 x 23.62
Exterior Dimensions mm	1260 x 965 x 730	1260 x 1265 x 730	1260 x 1565 x 730	1260 x 1865 x 730
H x W x D (in)	49.61 x 38 x 28.74	49.61 x 49.80 x 28.74	49.61 x 61.61 x 28.74	49.61 x 73.43 x 28.74
Height of Work Opening	350 (13.78)	350 (13.78)	350 (13.78)	350 (13.78)
Shipping Dimensions	1510 x 1150 x 900	1510 x 1450 x 900	1510 x 1800 x 900	1510 x 2060 x 900
H x W x D mm (in)	59.45 x 45.28 x 35.43	59.45 x 57.07 x 35.43	59.45 x 70.87 x 35.43	59.45 x 81.10 x 35.43
Net Weight kg (lbs)	150 (331)	160 (353)	190 (419)	200 (441)

Ordering Information

Cat No.	Description	Power Requirements
54250112	Sterile 0.9	230 V / 50Hz *
54250113	Sterile 1.2	230 V / 50Hz *
54250114	Sterile 1.5	230 V / 50Hz *
54250115	Sterile 1.8	230 V / 50Hz *

Note:- See options for 115V / 60 Hz models

Options and Accessories

Cat No.	Description - Options must be ordered with the Cabinet
80030001	Mains Voltage 115V for 0.9 and 1.2 models
80030038	Mains Voltage 115V for 1.5 and 1.8 models
80030043	Mains frequency 60 Hz - for 0.9 model
80030044	Mains frequency 60 Hz - for 1.2 model
80030045	Mains frequency 60 Hz - for 1.5 model
80030046	Mains frequency 60 Hz - for 1.8 model
80130001	Mini meter for differential pressure drop across main filter
80280022	Gas Tap
80280023	Vacuum Tap
80280024	CO ₂ Tap

Note: Electrical Outlet must be ordered with this cabinet.

Cat No (Left)	Cat No (Right)	Description
80040005	80040009	Electrical outlet, situated on back wall (French)
80040003	80040008	Electrical outlet, situated on back wall (UK)
80040001	80040006	Electrical outlet, situated on back wall (Danish)
80040002	80040007	Electrical outlet, situated on back wall (German, Swedish)
80040015	80040024	Electrical outlet, situated on back wall (New Zealand, Australia)
80040027	80040028	Electrical outlet, situated on back wall (Swiss)
80040032	80040036	Electrical outlet, situated on back wall (USA)

Accessories

Cat No.	Description
80280126	UV Light with 0.3 hour timer - for 0.9 model
80280121	UV Light with 0.3 hour timer - for 1.2 / 1.5 / 1.8 models
80280018	Support stand (760-800 mm) - for Sterile 0.9
80280019	Support stand (760-800 mm) - for Sterile 1.2
80280020	Support stand (760-800 mm) - for Sterile 1.5
80280021	Support stand (760-800 mm) - for Sterile 1.8
80280040	Support stand (880-920 mm) - for Sterile 0.9
80280041	Support stand (880-920 mm) - for Sterile 1.2
80280042	Support stand (880-920 mm) - for Sterile 1.5
80280043	Support stand (880-920 mm) - for Sterile 1.8

