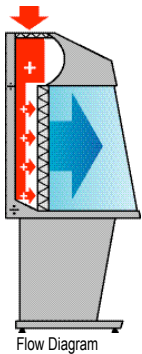


Holden horizontal series of laminar flow cabinets are the ideal choice for any application requiring full product protection, both for the small micro objects and large volume items. The cabinets are ergonomically designed to provide the user with the correct working posture. The cabinet has a unique large work opening, large side windows, glare-free illumination and smooth surfaces with rounded corners, giving you the optimum operator comfort.

Product Features

- Safe design
- Accessible operating zone
- Clean working guaranteed
- Controlled quality
- Each model is tested in the factory to ensure laminar airflow and HEPA filter integrity
- Simple, intuitive control panel. No regulation possible or necessary. The Basis models offer simplicity itself with just Start/Stop for the blower and the light. The Plus models include a soft-touch control panel comprising an On/Off button, an airflow indicator and light, reduced speed buttons and a UV light control (option).



Applications

The Horizontal is widely used for tissue culture, media preparation, sterility control, drug preservation, intravenous admixtures, pharmaceutical procedures, electronic and optical manufacturing.

Specifications

Cat No	19340050	18350050, 19350050	19360050	18370050, 19370050
Model No.	Horizontal 0.9	Horizontal 1.2	Horizontal 1.5	Horizontal 1.8
Light Intensity Lux	> 1000	> 1000	> 1000	> 1000
Air velocity m/sec	0.45±20%	0.45±20%	0.45±20%	0.45±20%
Noise dBA	58	58	58	58
HEPA Filtration	99.995% MPPS	99.995% MPPS	99.995% MPPS	99.995% MPPS
Interior Dimensions	734 x 890 x 540	734 x 1195 x 540	734 x 1500 x 540	734 x 1805 x 540
H x W x D mm (in)	(28.9 x 35.0 x 21.16)	(28.9 x 47.05 x 21.16)	(28.9 x 59.06 x 21.16)	(28.9 x 71.06 x 21.16)
Exterior Dimensions	1174 x 945 x 865	1174 x 1250 x 865	1174 x 1550 x 865	1174 x 1860 x 865
H x W x D mm (in)	(46.22 x 37.20 x 34.06)	(46.22 x 49.21 x 34.06)	(46.22 x 61.02 x 34.06)	(46.22 x 73.23 x 34.06)
Shipping Dimensions	1440x 1130 x 1040	1440x 1440x 1040	1440x 1730 x 1040	1440x 2040 x 1040
H x W x D mm (in)	(56.70 x 44.49 x 40.94)	(56.70 x 56.70 x 40.94)	(56.70 x 68.11x 40.94)	(56.70 x 80.31 x 40.94)
Net Weight kg (lbs)	125 (276)	130 (287)	205 (452)	245 (540)

Ordering Information

Cat No.	Description	Power Requirements
18350050	Horizontal Basis 1.2	230 V / 50Hz *
18370050	Horizontal Basis 1.8	230 V / 50Hz *
19340050	Horizontal Plus 0.9	230 V / 50Hz *
19350050	Horizontal Plus 1.2	230 V / 50Hz *
19360050	Horizontal Plus 1.5	230 V / 50Hz *
19370050	Horizontal Plus 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
80280063	Electrical outlets (2), left hand side (French) - for Horizontal Plus
80280062	Electrical outlets (2), left hand side (U.K.) - for Horizontal Plus
80280060	Electrical outlets (2), left hand side (Danish) - for Horizontal Plus
80280061	Electrical outlets (2), left hand side (German, Swedish, Norwegian) - for Horizontal Plus
80280064	Electrical outlets (2), left hand side (N.Z./Australian) - for Horizontal Plus
80280065	Electrical outlets (2), left hand side (Swiss) - for Horizontal Plus
80280066	Electrical outlets (2), left hand side (U.S.) - for Horizontal Plus

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
80280109	Support stand (h = 760-800 mm) - for Horizontal Plus 0.9 only
80280110	Support stand (h = 760-800 mm) - for Horizontal Plus and Basis 1.2
80280111	Support stand (h = 760-800 mm) - for Horizontal Plus 1.5 only
80280112	Support stand (h = 760-800 mm) - for Horizontal Plus and Basis 1.8
80280113	Support stand (h = 880-920 mm) - for Horizontal Plus 0.9 only
80280114	Support stand (h = 880-920 mm) - for Horizontal Plus and Basis 1.2
80280115	Support stand (h = 880-920 mm) - for Horizontal Plus 1.5 only
80280116	Support stand (h = 880-920 mm) - for Horizontal Plus and Basis 1.8



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

