

Our horizontal laminar airflow benchtop workstations, or clean benches, create clean air for operations requiring a particle-free environment. These units meet requirements of Federal Standard 209E for Class 100 (M 3.5) clean air.

## Thermo Scientific Forma® 1800 Series Clean Bench



Thermo Scientific Forma 1800 Series Clean Bench – designed to maintain a sterile environment for your work



### Designed for Product Protection

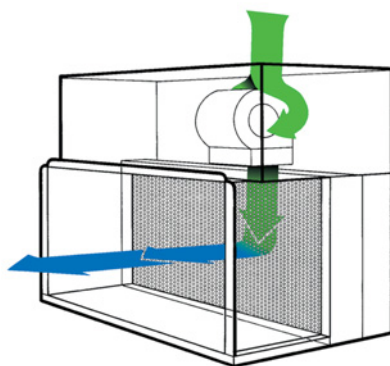
- All interior surfaces of the work area align with the edge of the HEPA filter media to provide true laminar airflow, preventing “picture framing” and backwashing of contaminated air and ensuring your product’s safety.
- Work surface and sidewalls are constructed of 16 gauge Type 304 stainless steel for durability and easy cleaning.
- Blower/motor automatically compensates for filter loading between annual certifications.
- Blower/motor switch, light switch, accessory receptacle, and receptacle for an optional UV light are located conveniently on the control panel.
- Built-in spill guard at the back of the work area protects the HEPA filter from spilled liquids, preventing filter damage and premature replacement.
- Units can be factory modified with reverse airflow to accommodate centrifuges, automated samplers and other aerosol producing equipment.

# Specifications and Ordering Information

## Carefully Directed Airflow

Intake air passes through a 1.0" (25mm) fiberglass prefilter. The blower/motor unit moves the air through a zero-probed HEPA filter rated at 99.99% efficient for 0.3 micron particulates.

The HEPA-filtered air is then directed horizontally across the work surface. Positive pressure, unidirectional laminar airflow prevents any inflow of room air contaminants onto the work surface.



- Ambient Air
- HEPA-Filtered Air

## Optional Modular Stand

Cat. No.	Description
191400	30.0"H (762mm) for 3 Ft. Units
191402	30.0"H (762mm) for 4 Ft. Units
191398	30.0"H (762mm) for 6 Ft. Units
191401	36.0"H (914mm) for 3 Ft. Units
191403	36.0"H (914mm) for 4 Ft. Units
191399	36.0"H (914mm) for 6 Ft. Units



## Thermo Scientific Forma 1800 Clean Bench

### Specifications

Models	
3 Ft. Benchtop	1839
4 Ft. Benchtop	1849
6 Ft. Benchtop	1828
Work Area	
Width - 1839	34.5" (876mm)
Width - 1849	46.5" (1181mm)
Width - 1828	70.5" (1791mm)
Height - 1839/1849/1828	28.4" (721mm)
Depth	19.1" (485mm)
Exterior Dimensions	
Width - 1839	37.0" (940mm)
Width - 1849	49.2" (1250mm)
Width - 1828	73.2" (1859mm)
Height - 1839	49.1" (1247mm)
Height - 1849	53.1" (1349mm)
Height - 1828	54.1" (1374mm)
Depth	34.0" (864mm)
Electrical, Plug, Breaker & Motor	
1839	120V, 60 Hz, 7.0 FLA
1849	120V, 60 Hz, 9.0 FLA
1828	120V, 60 Hz, 12.0 FLA

### Electrical, Plug, Breaker, & Motor (continued)

120V	NEMA 5-15P
	Hospital Grade Plug
Breaker Requirement	15 Amp
Motor 1839/1849	1/3 HP
Motor 1828	1/2 HP
Penetrations	
All Models	4, 2 on each sidewall
Unit Heat Load	
1839	2750 BTUH (810 Watts)
1849	3680 BTUH (1,080 Watts)
1828	4910 BTUH (1,440 Watts)
Weight	
Net	
1839	190 lbs. (86.2 kg)
1849	325 lbs. (147.4 kg)
1828	430 lbs. (195.0 kg)
Shipping (Motor)	
1839	290 lbs. (131.5 kg)
1849	400 lbs. (181.4 kg)
1828	530 lbs. (240.4 kg)

All standard models are UL Listed to US and Canadian requirements. Custom products are not UL Listed.

Model	Total Cabinet Height With 30.0" Stand		Total Cabinet Height With 36.0" Stand	
	Minimum Ht.*	Maximum Ht.**	Minimum Ht.*	Maximum Ht.**
1839 - 3 Ft.	77.6" (1971mm)	78.9" (2004mm)	83.6" (2123mm)	84.9" (2156mm)
1849 - 4 Ft.	81.6" (2073mm)	82.9" (2106mm)	87.6" (2225mm)	88.9" (2258mm)
1828 - 6 Ft.	82.6" (2098mm)	83.9" (2131mm)	88.6" (2250mm)	89.9" (2283mm)

\*Minimum height = levelers in; minimum height to the work surface is 29.4" (747mm) for the 30.0" stand and 35.4" (899mm) for the 36.0" stand  
 \*\*Maximum height = levelers out; maximum height to the work surface is 30.7" (780mm) for the 30.0" stand and 36.7" (932mm) for the 36.0" stand

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BR0-LECA-FORMA1800-0108

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