

PRODUCT DATA SHEET

■ Introduction

A self-contained, horizontal unidirectional flow, multi-purpose work station. The ENVIRCO TT Table Top is an economical, unidirectional flow module that can be mounted on an existing table or bench. It provides an ISO Class 5* (Class 100) environment within the work area that complies with the latest IEST Recommended Practices.

Horizontal Unidirectional Airflow

The positive pressure[†] unidirectional airflow provides product protection within the work area, which is defined by the removable clear acrylic side panels and plastic laminated work surface. Air from within the cabinet is returned to the room through the front access opening.

Reverse Unidirectional Flow Option

The reverse or negative pressure unidirectional airflow TT Table Top Work Station helps contain aerosols generated from within the work area.

■ Standard Features

- » An ISO Class 5* environment utilizing an aerosol challenged high efficiency particulate air (HEPA) filter.
- » Ten standard sizes with 24 in. (609.6 mm) deep work areas. Custom sizes available.
- » A welded aluminum cabinet with exterior finished in corrosion resistant polyurethane enamel.
- » Perforated, anodized aluminum diffuser screen protects the HEPA filter and maintains uniform airflow velocity within the work area.
- » Quiet operation (65 dBA ± 3 measured 30 in. (762 mm) from the filter face).
- » Non-glare plastic laminated work surface for easy cleaning.
- » Recessed fluorescent lighting provides 150 foot candles (1615 Lux) at the work surface.
- » Clear, removable acrylic side panels.
- » Easy disassembly for access through a small door.
- » Optional, matching support stand serves as a base for the TT Module to provide a console-type work station.

■ Options

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| <ul style="list-style-type: none"> » Duplex Electrical Outlet, Part No. 10607. » Lab Service, Part No. 10611. » Magnehelic Pressure Differential Gauge, Part No. 10693. » Matching Support Stand, Part No. 10606 (3 ft), 10631 (4 ft), 10632-002 (5 ft), 10632 (6 ft). » Stainless Steel I.V. Rod, Part No. 10608 (3 ft), 10609 (4 ft), 10595-002 (5 ft), 10610 (6 ft). | <ul style="list-style-type: none"> » Stainless Steel Side Panels (Qty 2), Part No. 830657. » Stainless Steel Work Surface, Part No. 10612 (3 ft), 10613 (4 ft), 10614 (6 ft). » Ultraviolet Light Fixture, Part No. 10603 (3 ft), 10604 (4 ft), 10600-002 (5 ft), 10605 (6 ft). » 220 V, 50 Hz Transformer. |
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NOTES:

[†] Positive pressure unidirectional flow clean benches provide product protection only. Reverse or negative pressure unidirectional flow cabinets provide limited personnel and environmental protection from aerosols generated within the work area.

*As defined by the latest ISO 14644 and IEST Recommended Practices, where particle count does not exceed 3520 particles, 0.5 µm or larger, per cubic meter of air.



TT Table Top Work Station with Optional Matching Support Stand

■ Applications

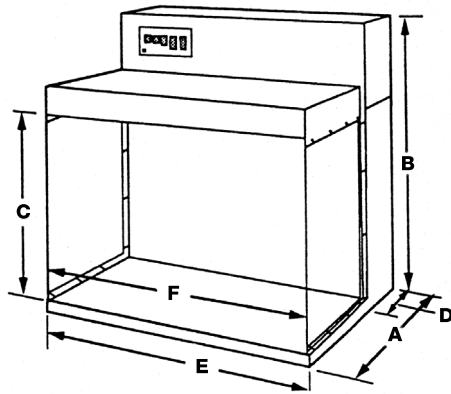
- » Critical Sample Preparation.
- » Hyperalimentation.
- » I.V. Admixtures.
- » Media Preparation.
- » Microscopy Analysis.
- » Pharmaceutical Preparation.
- » Syringe Filling.
- » Tissue Culture.
- » Microelectronic Assembly.
- » Optical Assembly.
- » Quality Control Inspection Station.
- » Sterility Testing.
- » Reverse Flow Configuration for Particulate Containment.

■ Warranty

- » Limited 1-year warranty.

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■ Dimensional Information



Part No.	TT3624	TT3630	TT3636	TT4824	TT4830	TT4836
Part No.	10561	10562	10589	10563	10564	10576
Dimension Inches (mm)	A	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)
	B	41.00 (1041.4)	47.00 (1193.8)	53.00 (1346.2)	41.00 (1041.4)	47.00 (1193.8)
	C	24.50 (622.3)	30.50 (774.7)	36.50 (927.1)	24.50 (622.3)	30.50 (774.7)
	D	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)
	E	38.13 (968.5)	38.13 (968.5)	38.13 (968.5)	50.13 (1273.3)	50.13 (1273.3)
	F	36.50 (927.1)	36.50 (927.1)	36.50 (927.1)	48.50 (1231.9)	48.50 (1231.9)
BTU / Hr	2950	2950	2950	3000	3000	3000
Avg. CFM @ 90 FPM (m³/hr @ 0.45 m/s)	540 (918)	675 (1148)	810 (1377)	720 (1224)	900 (1530)	1080 (1836)
Power Requirements Amps @ 115 V / 60 Hz	9.5	9.5	9.5	9.5	9.5	13.4
Ship Weight, lbs. (kilograms)	260 (117.93)	280 (127.01)	300 (136.08)	315 (142.88)	330 (149.69)	350 (158.76)

■ Specification

Construction

Welded aluminum cabinet with exterior finished in corrosion resistant polyurethane enamel. Non-glare plastic laminated work surface. Removable 1/4 in. (6.35 mm) clear acrylic side panels.

Filters

Aluminum framed High Efficiency Particulate Air (HEPA) filter, with a minimum efficiency of 99.99% at 0.3 micron, aerosol challenged (zero probed).

Prefilters

Washable type, polyurethane foam — 30% ASHRAE.

Airflow

90 FPM (0.45 m/s) ±10 FPM (0.05 m/s) average velocity measured 6 in. (152.4 mm) from the diffuser screen. Uniformity ±20% of average or better.

Speed Controller

Solid state speed control with RFI suppression for adjusting airflow velocity.

Part No.	TT4848	TT6030	TT7224	TT7230	TT3630 Reverse Flow	TT4830 Reverse Flow
Part No.	10590	11120-001	10591	11184-001	10562-Z	10564-Z
Dimension Inches (mm)	A	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)	38.00 (965.2)
	B	65.00 (1651)	47.00 (1193.8)	41.00 (1041.4)	47.00 (1193.8)	47.00 (1193.8)
	C	48.50 (1188.25)	30.50 (774.7)	24.50 (622.3)	30.50 (774.7)	30.50 (774.7)
	D	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)	14.12 (358.6)
	E	50.13 (1273.3)	62.13 (1522.18)	74.13 (1816.18)	74.13 (1816.18)	38.13 (968.5)
	F	48.50 (1231.9)	60.50 (1522.18)	72.50 (1841.5)	72.50 (1841.5)	36.50 (927.1)
BTU / Hr	5500	5500	5500	5500	2950	3000
Avg. CFM @ 90 FPM (m³/hr @ 0.45 m/s)	1440 (2448)	1125 (1913)	1080 (1836)	1350 (2295)	675 (1148)	900 (1530)
Power Requirements Amps @ 115 V / 60 Hz	15.4	15.5	15.4	15.4	9.5	9.5
Ship Weight, lbs. (kilograms)	370 (167.83)	445 (201.85)	520 (235.87)	560 (254.01)	280 (127.01)	330 (149.69)

Motor Blower Assembly

Direct drive, continuous duty 1/3 Hp (0.25 kW) with sealed-for-life bearings and inherent overload protection. Motor/blower assembly is electronically balanced (dynamically) and mounted on vibration dampening rubber mounts. Motor/blower assembly is designed to provide rated airflow through a 50% increase in initial static pressure.

Electrical

Standard 15 Amp, 115V, single phase, 60 Hz, rubber covered cord with 3-prong grounded plug. Recessed fluorescent lighting fixture provides 150 foot candles (1615 Lux) at the work surface. Separate blower and light switches.