EUROVAC

DOWNDRAFT BENCHES

IDEAL FOR APPLICATIONS SUCH AS :

- Welding processes
- Sanding or buffing
- Batching
- Powder and light dusts
- Light smoke

Eurovac's line of Downdraft tables offer a "Hands Free Method of Capture at Source" of Fumes and Dust.

Source Capture Equipment
and Dust Collector Manufacturer

Product Description:

Any metal transforming facility will include welding, grinding or sanding on metals. These processes create harmful pollutants which rise into the worker's breathing zone. The usual articulated fume arms for source capture may not be the best solution so Eurovac offers a wide variety of hands free method known as downdraft suction tables for a cleaner work environment. This method allows the worker to concentrate on the process without having to worry about annoying volatile dust which may escape in the facility and polluting breathable air. Other processes such as powder mixing or batching may send plumes of harmful dust into the worker's breathing zone. Our experienced engineering department will design the right unit for any special application and ensure results meet strict OSHA standards.

Features Include:

- 12 and 14 gage painted steel cabinet
- Perforated work surface
- Quiet direct drive fan
- Sealed access door to filters and fan
- High efficiency cartridges
- Pulse jet cleaning of cartridges
- Removable dust collector drawer
- Removable aluminum spark trap filters for welding and grinding applications

Typical Applications:

- All welding processes
- Grinding dusts and most airborne dusts
- Polishing, printing, buffing
- Powder mixing and batching

Optional accessories include:

- Back drop and side panel on hinges for "tunnel" effect into work surface
- LED light kit (explosion proof available)
- Magnahelic pressure gages
- Knee overhang for workers allowed to sit
- Custom work surface for precious alloys protection
- Extra large casters with foot brakes for easy displacement of unit
- Customized perforated work surfaces for special applications
- Reinforced structure for heavy objects laying on work surface
- Custom colors
- Outlet silencer
- Carbon after filter

Typical designs and usage with Eurovac downdraft benches

32" x 78" high performance table with external 7.5 HP fan and high efficiency silencer

36" x 96" open perimeter bench for walk around purpose

36" x 72" bench with knee overhang, back drop and side panels

36" x 72" bench with slotted backdrop for backdraft suction

30" x 36" bench with protective mat for sensitive alloys

24" x 48" bare table for connection to a central dust collector

Eurovac standard downdraft table models

Model	Work Surface	Air Volume	Motor	Downflow (avg)	Weight
DDT-2X3-D1201000	7.50 Sq. Ft./.70 Sq. Mt	1250 CFM/35 m3h	2 HP/1.5 Kw	300 FPM/1.5 MPS	280 Lb/130 Kg
DDT-3X4-D4603000	10.67 Sq. Ft/.99 Sq. Mt	2000 CFM/55 m3h	3 HP/2.2 Kw	330 FPM/1.7 MPS	450 Lb/205 Kg
DDT-3X6-D5753000	16 Sq. Ft./1.48 Sq.Mt	2750 CFM/75 m3H	5 HP/3.7 Kw	300 FPM/1.5 MPS	550 Lb/250 Kg
DDT-4X6-D4603000	22 Sq. Ft./2.04 Sq. Mt	3500 CFM/100 m3H	7.5 HP/5.5 Kw	290 FPM/1.4 MPS	750 Lb/340 Kg
DDT-4X8-D4603000	29.33 Sq. Ft./2.72 Sq. Mt	5000 CFM/140 m3h	10 HP/7.5 Kw	290 FPM/1.4 MPS	1100 Lb/500 Kg

Note: models described above are for references. Eurovac also offers custom sized work benches with less or more air volume and different motor outputs.

Cartridges configuration

Model	Qty
DDT-2X3-D1201000	1
DDT-3X4-D4603000	2
DDT-3X6-D5753000 & DDT-4X6-D4603000	3
DDT-4X8-D4603000	4

Filtering cartridges general information

Cartridges efficiency	Micron size	%
Cellulose (MERV 11)	1 to 3	80 to 90
Cellulose Nanofiber (MERV 15)	1 to 3	85 to 95
Polyester with PTFE (MERV 16)	1 to 3	95 +
HEPA Media (MERV 17)	.3 +	99.97

Note: contact your representative for proper cartridge selection. Filter surface and number of pleats vary as per model.

Downdraft work benches general information

Motors	TEFC 3500 RPM	Compressed air requirement	Min 60 PSI Max 90 PSI	Available work surfaces	Open steel grate or perforated fiberglass
Control panels	UL/CSA NEMA 4/12	SCFM per pulse	5 to 7	Steel finish	Powder coat pain
Steel cabinets	11 and 14 gage	Max operating temperature	275 F 135 C	Db rating	68 to 75

Downdraft work benches must not be used for capture of explosive or toxic gases or harmful vapors.

Safety notes:

In order to minimize fires and/or explosions, empty dust drawer every day if possible and check filter status as often as possible.

Eurovac may require dust samples if customer cannot ascertain origin and type of pollutants to be filtered. Dust collector is not to be used for any other types of dust for which it was designed and/or specified.

Downdraft work tables described in this brochure may not be used for highly reactive dust such as aluminum. Eurovac will recommend wet type scrubbers for such application. Contact factory or representative for details.

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