

DRAFTMAX BASIC

DOWNDRAFT TABLE WITH DISPOSABLE FILTER

The DraftMax Basic is a workbench that provides extraction and filtration for welding and grinding applications. The DraftMax Basic features a work grid, a three-stage pre filtration system for optimum spark arresting and two disposable main filter cartridges. Both pre and main filters have pull-out dust drawers underneath. A Magnehelic gauge on the control panel indicates when the filter cartridges require replacement.

For welding and grinding applications the DraftMax Basic should be fitted with a backdraft kit for optimum division of the extraction capacity (approx. 80% backdraft, 20% downdraft). Depending on the specific application, the downdraft table can be provided with a special work grid. The working height of the downdraft table is adjustable. Filter exchange and service can be effected from the front side.



Shown: downdraft table with backdraft kit and side panels.

APPLICATIONS

The DraftMax Basic is intended to be used for the following applications:

- MIG-MAG/GMAW welding¹⁾
- TIG welding¹⁾
- FCAW welding¹⁾
- stick/MMAW welding¹⁾
- grinding¹⁾
- cutting (max. 50 A)¹⁾



¹⁾ Provided the downdraft table is fitted with the right accessories (refer to Available options/accessories)

Do **not** use the DraftMax Basic for the following applications or in the following circumstances:

- arc-air gouging
- aluminum laser cutting
- oil mist
- heavy oil mist in welding fume
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°F continuously)
- grinding aluminium and magnesium
- flame spraying
- extraction of cement, saw dust, wood dust etc.
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases



SPECIFICATIONS

■ Physical dimensions and properties

Dimensions (L x W x H)	1380 x 1005 x 920 mm (54.3 x 39.4 x 36.2 in.)
Dimensions work grid (L x W)	1366 x 750 mm (53.8 x 29.5 in.)
Height adjustment	920 - 970 mm (36 - 38 in.)
Material:	<ul style="list-style-type: none"> • epoxy-coated sheet metal • galvanized steel
Colour:	<ul style="list-style-type: none"> • black RAL 9005 • yellow RAL 1004
Weight (net)	245 kg (540 lbs)
Mains cord	3 m (1 m internal, 2 m external)

Supply cable for power outlet	3 m (1 m internal, 2 m external)
Plugs	not included
Motor design	IEC B3
<ul style="list-style-type: none"> • Maximum load • With wheelset 	<ul style="list-style-type: none"> • 200 kg (440 lbs) • 150 kg (330 lbs)
■ Filters	
Material main filter cartridges	cellulose and polyester fibres
Shape	oval
Number of pleats	300
Filter surface area	2 x 26 m ² (2 x 280 ft ²)
Height of pleats	75 mm (2.95 in.)
Distance between pleats	4 mm (0.16 in.)
Surface weight	90 g/m ² (129 grains/ft ²)
Efficiency	>99,9%
Filter class	M according to DIN EN 60335-2-69 <ul style="list-style-type: none"> • at particle size 0,3-5 µm • at filtration speed 0,056 m/s (11 ft/min.)
Treatment	SurfacePlus precoat (synthetic amorphous silica) (4,6 g/m ²)
■ Performance	
Fan type	radial
Air volume	2500 m ³ /h (1,500 CFM)
Noise level (according to ISO 3746) - 50Hz:	<ul style="list-style-type: none"> • without options • with silencer • with silencer + HEPA kit
	<ul style="list-style-type: none"> • 74 dB(A) • 69 dB(A) • 67 dB(A)
■ Electrical data	
Power consumption	2,2 kW (3 HP)
Connection voltage	400V/3~/50Hz
Control filter cleaning device	
Protection class	IP 66 (electronics only)
Nominal current	4,4 A

Fuse:	<ul style="list-style-type: none"> transformer 24V system 	<ul style="list-style-type: none"> T1Amp CCMR1 T2Amp
Mains cord	3~/4-cored (3 phases, 1 earth)	
Supply cable	1~/3-cored (1 phase, 1 zero, 1 earth)	
Power outlet	<ul style="list-style-type: none"> plug type F (CEE 7/4) 230V/max. 2200W 	
■ Ambient conditions		
Operating temperature:	<ul style="list-style-type: none"> Min. 5°C (41°F) Nom. 20°C (68°F) Max. 40°C (104°F) 	
Max. relative humidity	80%	
Outdoor use allowed	no	
Storage conditions	<ul style="list-style-type: none"> 5-40°C (41-104°F) relative humidity max. 80% 	
■ Available options/accessories		
Back panel	recommended for grinding applications	
Backdraft kit	required for all welding applications	
Side panels		
Plasma cutting work grid	required for plasma cutting applications (max. 50 A)	
HEPA kit	recommended for stainless steel welding in case of recirculation	
Silencer/Outlet duct	recommended option	
Outlet connection flange		
Working light		
Bench vice mounting bracket		
Wheelset		
Dust tray lid	recommended for stainless steel welding	
■ Scope of supply		
Downdraft table without grid - Work grid (two-piece) - Cover strip with 8 bolts M6 - Square key 8 mm - Square key 6 mm		
■ Order information		
Article number	4230-1211	
Number/package	1	
■ Shipping date		
Gross weight (incl. pallet)	260 kg (573 lbs)	
Packing dimensions	1505 x 1020 x 1150 mm (59.3 x 40.2 x 45.3 in.)	
Max. number/pallet	1 (stack: max. 2 pallets)	
Harmonized Tariff Code	8421.39.2090	
Country of origin	Sweden	

APPROVALS/CERTIFICATES



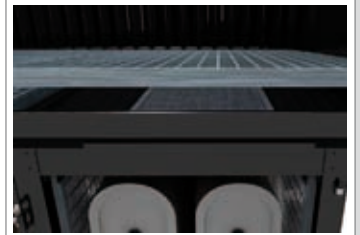
FEATURES

Maintenance performed from the front



Three-stage spark arresting:

- 1st: spark arresters below work grid
- 2nd: labyrinth spark trap
- 3rd: spark arresters in main filter housing



Maximum filter surface area



Simple control



Product type	DraftMax Basic
Article no.	4230-1211
Product category	Downdraft tables
Version	200111/F

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