

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"> • housing • epoxy-coated sheet metal • work grid • galvanized steel
Colour:	<ul style="list-style-type: none"> • housing • front doors • black RAL 9005 • yellow RAL 1004
Weight (net)	245 kg (540 lbs)
Mains cord	3 m (1 m internal, 2 m external)

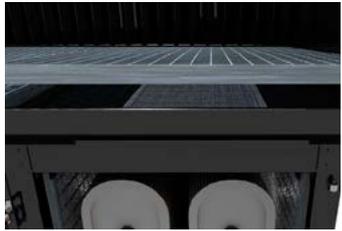
Plug	not included	
Motor design	IEC B3	
Maximum load	200 kg (440 lbs)	
• With wheelset	• 150 kg (330 lbs)	
■ Filters		
Material main filter cartridges	cellulose and polyester fibres	
Shape	oval	
Number of pleats	300	
Filter surface area	2 x 26 m ² (2 x 280 ft ²)	
Height of pleats	75 mm (2.95 in.)	
Distance 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:	<ul style="list-style-type: none"> • 50Hz • 60Hz • 2500 m³/h (1,500 CFM) • 3000 m³/h (1,750 CFM) 	
Noise level (according to ISO 3746):	50Hz:	60Hz:
• without options	• 74 dB(A)	• 78 dB(A)
• with silencer	• 69 dB(A)	• 74 dB(A)
• with silencer + HEPA kit	• 67 dB(A)	• 71 dB(A)
■ Electrical data		
Power consumption:	<ul style="list-style-type: none"> • 50Hz • 60Hz • 2,2 kW (3 HP) • 3,0 kW (4 HP) 	
Connection voltage	<ul style="list-style-type: none"> • 400V/3~/50Hz • 480V/3~/60Hz • 600V/3~/60Hz 	
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)	
■ Ambient conditions		
Operating temperature:	<ul style="list-style-type: none"> min. nom. max. 	<ul style="list-style-type: none"> 5°C (41°F) 20°C (68°F) 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		
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:	<ul style="list-style-type: none"> 400V/3~/50Hz 480V/3~/60Hz 600V/3~/60Hz 	<ul style="list-style-type: none"> 7214700000 7215200000 7215800000
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	

APPROVALS/CERTIFICATES

	
	DraftMax Basic + HEPA kit : IFA-W3 certified according to EN 15012-1 (50Hz versions only)
	ref. UL-508A (60Hz versions only)

FEATURES

Maintenance performed from the front	
Three-stage spark arresting: <ul style="list-style-type: none"> 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.

refer to order information

Product category

Downdraft tables

Version

190618/J

Always check the latest version on www.plymovent.com.