

# BA

## DOWNDRAFT BENCH



### Use

Extraction of welding fumes and dust from manual plasma cutting, grinding, sanding, cutting, deburring, polishing

### Construction

Painted steel

### Applications



MIG MAG



Pulse  
MIG MAG



MMA  
Stick  
electrode



TIG



PLASMA  
CUTTING



GRINDING

### MAIN FEATURES

BA downdraft benches for centralised plants are available in a range of sizes and accessories for a wide range of applications with extraction and separation of the particles present in the welding fumes and in the dust produced in grinding, polishing, as well as manual thermal cutting processes.

A metallic filter captures any chips and debris that might reach the fan impeller and cause irreparable damage to the plant.

Max loading capacity:  
120 kg/m<sup>2</sup>

### CONSTRUCTION

Solid modular structure. Worktop realised with galvanized steel slats, removable and adjustable according to the specific works.

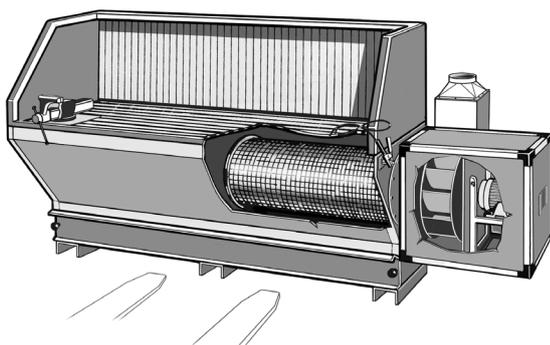
Extraction from the worktop and from the rear panel. The side panels can be removed to allocate bigger workpieces.

### USE

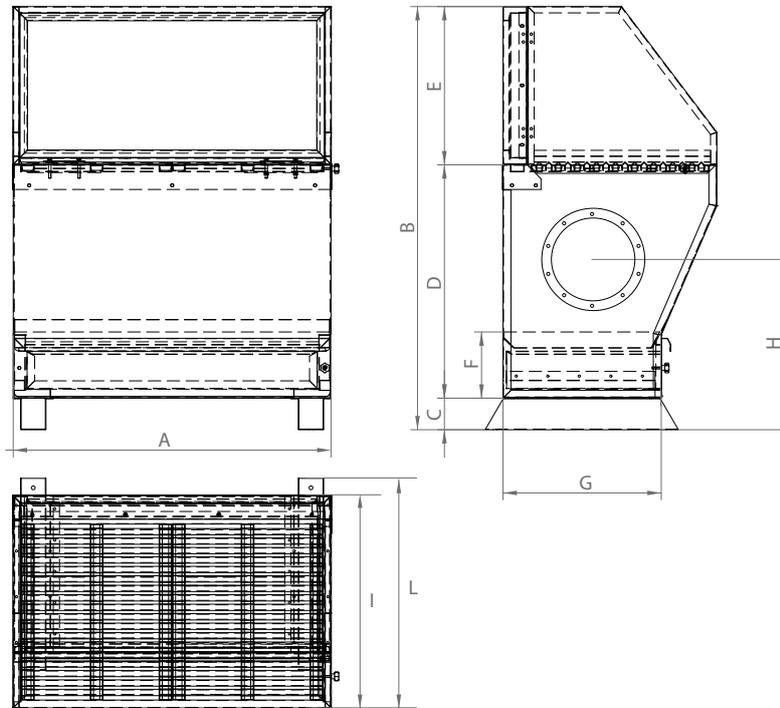
BA downdraft bench is designed for the extraction of non-oily fumes and dust generated by welding processes, manual plasma cutting, grinding, sanding, cutting, deburring, polishing. Not suited for liquid nor paint.

### ACCESSORIES

- Rear panel with UV light shield.
- Extractor fan with soundproof enclosure.
- ARMOTECH articulated arm with high efficiency capture hood.



## DIMENSIONAL DATA



Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm
BA 10	1000	1342	100	740	502	210	498	550	700	650
BA 15	1500	1342	100	740	502	210	498	550	700	650
BA 20	2000	1342	100	740	502	210	498	550	700	650

## TECHNICAL FEATURES

Model	Dimensions WxLxH mm	Extraction capacity m <sup>3</sup> /h	Pressure drop Pa	Discharge diameter mm	Pre-filter efficiency %	Total weight kg
BA 10	1000x700x840	2000	300	350	62	80
BA 15	1500x700x840	3000	300	350	62	90
BA 20	2000x700x840	3500	300	350	62	150

The air flow rates and pressure drop parameters were recorded under normal conditions of use, considering the parameters required by the current Standards and the state of the art.

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### DESCRIPTION

BA downdraft bench with rear draft panel	Code	Description
	BA0PA00010DX00	BA downdraft bench with rear draft panel - Pre-filter efficiency G2 - L. 1000 mm - Painted steel - Grey
	BA0PA00015DX00	BA downdraft bench with rear draft panel - Pre-filter efficiency G2 - L. 1500 mm - Painted steel - Grey
	BA0PA00020DX00	BA downdraft bench with rear draft panel - Pre-filter efficiency G2 - L. 2000 mm - Painted steel - Grey

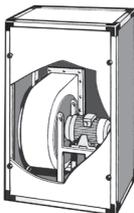
BA downdraft bench with UV light shield for training	Code	Description
	BA0PT00010DX00	BA downdraft bench with UV light shield - Pre-filter efficiency G2 - L. 1000 mm - Painted steel - Grey
	BA0PT00015DX00	BA downdraft bench with UV light shield - Pre-filter efficiency G2 - L. 1500 mm - Painted steel - Grey
	BA0TA00020DX00	BA downdraft bench with UV light shield - Pre-filter efficiency G2 - L. 2000 mm - Painted steel - Grey

### ACCESSORIES

#### VICE

Vice kit	Code	Description
	ACC0BA00000070	Kit Vice suited for BA bench - Grey painted RAL 7032

#### EXTRACTOR FAN

BAX extractor fan	Code	Description
	ACC0BA00000140	BAX 10 - Backward curved extractor fan RP 280 with sound-proof enclosure - Maximum flow rate 3850 m <sup>3</sup> /h - 2840 RPM - 230/400V 50Hz - Extraction capacity 2000 m <sup>3</sup> /h - Residual pressure 650 Pa - Total weight 141 kg
	ACC0BA00000150	BAX 15 - Backward curved extractor fan RP 310 with sound-proof enclosure - Maximum flow rate 5400 m <sup>3</sup> /h - 2840 RPM - 230/400V 50Hz - Extraction capacity 3000 m <sup>3</sup> /h - Residual pressure 900 Pa - Total weight 192 kg

## SWITCHES AND ELECTRICAL PANELS

Switches and electrical panels	Code	Description
	QEINT32A4P000	Switch disconnecter 32A IP66 lockable, 125x150hx93 mm
	QE2301F022KW0	Single-phase switchboard 230V 50/60Hz 0,37-2,2kW 16A IP55 lockable, 240x340hx170 mm, 2,8 kg. Functions: thermal magnetic protection, self-setting based on connected motors, remote start/stop in centralized system, voltage / current / cosΦ / alarm display, multilingual display
	QE4003F075KW0	Three-phase 4-pole switchboard 400V 50/60Hz 0,55-7,5kW 15A IP55 lockable, 240x340hx170 mm 5,5 kg. Functions: thermal magnetic protection, self-setting based on connected motors, remote start/stop in centralized system, voltage / current / cosΦ / alarms display, multilingual display, phase sequence alarm for motor rotation

## ARTICULATED ARMS

ARMOTECH articulated arm	Code	Description
	ARMOTECH125300	ARMOTECH articulated arm - Ø 125 mm - L. 3000 mm
	ARMOTECH160300	ARMOTECH articulated arm - Ø 160 mm - L. 3000 mm

Plenum for extraction arm	Code	Description
	ACCOBA00000130	Plenum to fit one articulated arm ARMOTECH Ø 125-160 mm - Painted steel

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### SPARE PARTS

#### WORKTOPS

Worktop	Code	Description
	ACC0BA0000080	2-sectors worktop for BA 10 bench - Galvanized steel - Removable interlocking slats
	ACC0BA0000090	3-sectors worktop for BA 15 bench - Galvanized steel - Removable interlocking slats
	ACC0BA0000100	4-sectors worktop for BA 20 bench - Galvanized steel - Removable interlocking slats

#### PRE-FILTER

Pre-filter	Code	Description
	ACC0BA00000110	Metallic filter to capture impurities with larger granulometry and any chips or other debris that might reach and clog the fan impeller