

Technical data sheet

DOWN-DRAUGHT BENCHES

BAF

Professional down-draught benches with filtration for heavy loads



APPLICATIONS



INDUSTRY



MIG MAG



MIG MAG PULSATO



MMA SALDATRICI AD ELETTRODO



MOLATURA

The down-draught bench, complete with filter system is normally used for the extraction and elimination of fumes and low volume particulate of small granularity from processes such as: welding, finishing and polishing in heavy industry but, if proper precautions are taken, it may be also be used in marble and chemical processing.

The dimensions of the bench, the extraction work surface and the removable perimeter guards are sized to allow suitable collection speed while protecting the operator from the risk of inhalation, limiting the work area to prevent dispersion of the pollutant into the environment.

The structure manufactured from welded and painted thick sheet metal allows heavy-duty use and flexibility, even for occasional processes of manual plasma cutting.

FEATURES

The down-draught bench therefore consists of:

- Painted steel load bearing structure of a suitable thickness.
- Sturdy baffled extraction surface is replaceable, according to the work to be carried out, by means of fitted guides.
- Front and side extractor fan panels, removable by means of fitted hinges.
- Internal mechanical pre-filter section consisting of an anti-spark, cylindrical steel mesh filter with filtration carried out by means of high efficiency, large surface area synthetic pocket filters; this guarantees significant accumulation of small granular particulates.
- Lower sealed particulate containment drawers.

CERTIFICATIONS



TECHNICAL DATA

The performance data was measured using the appropriate instruments in our laboratories.

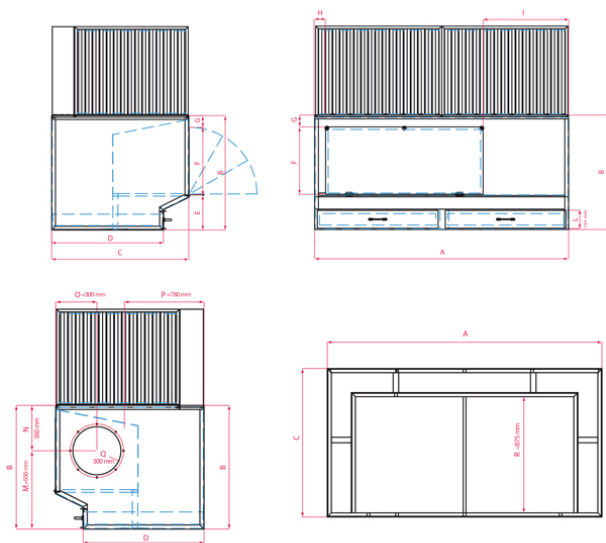
- Air flow and loss of pressure are detected in situations of normal use and in consideration of the parameters required by current legislation and the available technology.

Inlet speed depending on the models, from 4 to 8 m/s.

Internal floating speed from 17 to 25 m/s.

MOD.	LENGTH	AIR EXTRACTION CAPACITY	HEAD LOSS	OUTPUT DIAMETER	FILTRATION EFFICIENCY	DIMENSIONS	TOTAL WEIGHT
	mm	mc/h	Pa	Ø mm	% ²	mm	Kg
10	1000	4000	500	550	F5	1000 x 1080 x 900	90
15	1500	6000	500	550	F5	1500 x 1080 x 900	110
20	2000	8000	500	550	F5	2000 x 1080 x 900	130
30	3000	12000	500	550	F5	3000 x 1080 x 900	180

DIMENSIONS



MOD.	A	B	C	D	E	F	G	H	I
	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	1000	900	1080	880	277	530	93	54	690
15	1500	900	1080	880	277	530	93	54	890
20	2000	900	1080	880	277	530	93	54	1200
30	3000	900	1080	880	277	530	93	54	1800



SPARE PARTS

WORK SURFACE



Extraction work surface in steel sheet metal rim painted in grey RAL 7032 with maximum permitted load of 350 Kg/m².

Work surface 10
Work surface 15
Work surface 20
Work surface 30

ACCESSORIES

ENCLOSED EXTRACTION FAN



Backward flat bladed extraction system, suitably sound-proofed in a soundproof box with connection to the left or right side of the bench.

The unit may be supplied with a single phase 230V 50-60 Hz power supply.

MOD. BAX	EXTRACTI ON FAN	POWER	MAX. EXTR ACTION FAN POWER CAPACITY	MOTOR RPM	VOLTAGE	EXTRACTI ON CAPACITY	RESIDUAL PRESSURE	TOTAL WEIGHT
	MOD. RP	KW	m ³ /h	RPM	VOLT	m ³ /h	Pa	Kg
10	350	3	7650	2840	230/400/50	4000	1100	220
15	350	3	7650	2840	230/400/50	5500	800	240
20	400	4	9500	2840	230/400/50	7000	1200	302
30	400	5.5	12000	2840	230/400/50	9500	780	352

IBSC ARTICULATED ARM



IBSC Ø= 125 / 160 / 200 mm



PLENUM FOR EXTRACTION ARM



Plenum for connecting the extraction arm to the side of the BA bench, in painted steel sheet, with the option of interchanging the surface

ELECTRICAL PROTECTION PANELS FOR EXTRACTION FANS



Electrical panel for extraction fan start-up and circuit-breaker protection for extraction fans

QR CODE

