Technical data sheet

DOWN-DRAUGHT BENCHES

BAF

Professional down-draught benches with filtration for heavy loads

APPLICATIONS

- INDUSTRY
- MIG MAG
- MIG MAG PULSATO
- MMA SALDATRIO AD ELETTRICO
- 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

- CE
- EAC
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.

<table>
<thead>
<tr>
<th>MOD.</th>
<th>LENGTH</th>
<th>AIR EXTRACTION CAPACITY</th>
<th>HEAD LOSS</th>
<th>OUTPUT DIAMETER</th>
<th>FILTRATION EFFICIENCY</th>
<th>DIMENSIONS</th>
<th>TOTAL WEIGHT</th>
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<tr>
<td></td>
<td>mm</td>
<td>mc/h</td>
<td>Pa</td>
<td>Ø mm</td>
<td>%²</td>
<td>mm</td>
<td>Kg</td>
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<td>4000</td>
<td>500</td>
<td>550</td>
<td>F5</td>
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<td>3000 x 1080 x 900</td>
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DIMENSIONS

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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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### 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.

<table>
<thead>
<tr>
<th>MOD. BAX</th>
<th>MOD. RP</th>
<th>POWER</th>
<th>MAX. EXTRACTION FAN POWER</th>
<th>MOTOR RPM</th>
<th>VOLTAGE</th>
<th>EXTRACTON CAPACITY</th>
<th>RESIDUAL PRESSURE</th>
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<td>230/400/50</td>
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<td>230/400/50</td>
<td>9500</td>
<td>780</td>
<td>352</td>
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#### 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