WATER LINE

DUST EXTRACTION SYSTEMS
WITH WATER DEPURATION
FOR THE STONE INDUSTRY

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DUST REMOVAL WALL
WITH WATER DEPURATION SYSTEM

Structure
It is made of welded sheet steel frame and treated with epoxy wash primer and polyurethane paint.
No parts in movement are present.

Installation
The product is delivered assembled. Only the water supply and electrical connections are needed. No masonry work needed.

How it works
The power of the suction group provided with the centrifugal fan, extracts the dust produced during the stone working. The air is purified through four phases of filtration thanks to the hydrofilter system installed inside the structure.
The suction is localized all over the hood perimeter.
The atomized drops meet the dust during the suction. Metallic bulkheads, thanks to a veil created by the spraying nozzles, acts as a second water filter for the dust. Metallic separators with lamellar structure permit the dust to merge with water and collapse into the internal tank. Polyester fiber filters, placed in the roof output frames, capture the last dust particles, before the air is expelled clean into the atmosphere.
The water merged with dust is ejected thanks to the constant outbound water flow. The hood is provided with inner cover by means of sound-absorbing panels for the the noise control.

Maintenance
The maintenance is reduced to minimum: tank cleaning and water replacement when required.

ACCESSORIES
• Flexible suction arm L=3000 mm
• Set of 3 pvc panels
• Inverter

Filtering surface
2480x1500 mm

Water requirement
3-5 litres/min
pressure 2 bar

Tank capacity
280 litres abt.

Power supply
400 V - 50 Hz three fase
4 pole

99.9% * exhausting efficiency
*certified by authorized laboratory

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Suction Group</th>
<th>Extracted air</th>
<th>Noise level</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOW</td>
<td>2480 mm</td>
<td>1200 mm</td>
<td>2080 mm</td>
<td>800 kg</td>
<td>5,5 kW</td>
<td>12000 m³/h</td>
<td>74 dB(A)</td>
</tr>
<tr>
<td>FLOW-ST</td>
<td>2150 mm</td>
<td>1350 mm</td>
<td>2080 mm</td>
<td>800 kg</td>
<td>5,5 kW</td>
<td>12000 m³/h</td>
<td>74 dB(A)</td>
</tr>
</tbody>
</table>
DUST REMOVAL BENCH
WITH WATER DEPURATION SYSTEM

Structure
It is made of welded sheet steel frame and treated with epoxy wash primer and polyurethane paint. Provided with adjustable feet, double wooden worktop placed at the same level, a slab holder that can be fixed on both sides at different height.
No chimneys or parts in movement are present.

Installation
The product is delivered assembled. Only the water supply and electrical connections are needed. No masonry work needed.

How it works
The power of the suction group with the centrifugal fan, extracts the dust produced during the stone working. The air is purified through four phases of filtration thanks to the hydrofilter system installed inside the structure.
The suction is localized all over the perimeter of the main table (through the metallic frame holes and the table channels), allowing the operator to work on the main worktop but also in front or at the side of the bench.
The atomized drops meet the dust during the suction. Metallic bulkheads, thanks to a veil created by the spraying nozzles, acts as a second water filter for the dust. Metallic separators with lamellar structure permit the dust to merge with water and collapse into the internal tank. Polyester fiber filters, placed in the air output frames, stop the last dust particles before the air is expelled clean into the atmosphere.
The electropump permits a continuous outlet water flow.
The fan is covered with sound-absorbing panels to noise control.

Maintenance
The maintenance is reduced to minimum: tank cleaning and water replacement when required.
CUSTOMIZABLE CENTRALIZED EXTRACTION PLANTS WITH WATER DEPURATION

**Structure**
All the components (hoods, pipes, filter gears, central units) are made of welded sheet steel frame and treated with epoxy wash primer and polyurethane paint where needed.

**Design**
Solution Line is the best choice when multiple extraction points are required inside the working area. An inspection by our technicians permits us to take into consideration every customer need such as work organization, logistic and technical configuration of the space, designing the best solution in accordance to the quantity of extracted air needed, the sound pressure and power required, the type and position of suction points to be located (walls, bench, hoods or arms) etc.

**Installation**
The line is installed by our qualified technicians. Centroventilazione Srl offers logistic/technical consultancy and support all over Europe.

**How it works**
Every Solution Line centralized system is composed of a central unit with frame, a suction group (centrifugal fan, hydrofilter) and a control panel placed outside the working area. It is connected by means of pipes, connecting hoses, curves, deviations, collars etc. to a serie of benches, walls, hoods or flexible arms corresponding to the suctioning points inside the factory.
The centrifugal fan placed inside the central unit creates an air stream that conveys the dust through the pipe line from the suctioning points to the water filter. Inside the hydrofilter, the dust merges with water thanks to a nebulization system. Internal bulkheads and metallic separators appropriately placed allow the mud to collapse into the tank below. The mud is expelled by means of a continue water output flow.
The air is expelled clean throught the chimney of the central unit.

+ Optimal extraction and filtration
+ Perfect for a working line
+ Customizable for logistic requirements