



**CENTRO  
VENTILAZIONE**

# ***WATER LINE***



***DUST EXTRACTION SYSTEMS  
WITH WATER DEPURATION  
FOR THE STONE INDUSTRY***

***Centroventilazione Srl***

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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 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

Silent  
Excellent suction  
Minimum maintenance  
Reduced consumption  
Healthier working area

# FLOW

**99,9%\* exhausting efficiency**  
\*certified by authorized laboratory

Model	Length	Width	Height	Weight	Suction Group	Extracted air	Noise level
FLOW	2480 mm	1200 mm	2080 mm	800 kg	5,5 kW	12000 m³/h	74 dB(A)
FLOW-ST	2150 mm	1350 mm	2080 mm	800 kg	5,5 kW	12000 m³/h	74 dB(A)

## 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.

### ACCESSORIES

- Inverter



Silent  
Excellent suction  
Minimum maintenance  
Reduced consumption  
Minimal space  
No chimney

**Filtering surface**  
2100x1100 mm  
**Water requirement**  
2,5-3 litres/min  
pressure 2 bar  
**Tank capacity**  
130 litres abt.  
**Power supply**  
400 V - 50 Hz three phase  
4 pole

# RIVER

**99,9%\* exhausting efficiency**  
\*certified by authorized laboratory

Model	Length	Width	Height	Weight	Suction Group	Motor-driven pump	Extracted air	Noise level
RIVER	3270 mm	1100 mm	920 mm	550 kg	4 kW	0,55 kW	6500 m³/h	75 dB(A)



## 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 series 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 through the chimney of the central unit.

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



SOLUTION LINE