

Suction wall with two-fold dry dust exhaust



CERTIFIED:
Sound pressure: 75,4 db(A)
Dust residual in depurated air: 0,2 mg/Nm³



Efficient state-of-the-art suction systems with total exhaustion of the extracted dust

The innovation represented by both XEOLOS as well as XAERO, is the combination in one machine of two different depuration systems, both totally dry operating.

They contain cyclones (12 for XEOLOS and 10 for XAERO), guaranteeing pre-exhaustion of the extracted dust of about 60-70%, as well as dry "F8" class filters assuring total exhaustion of the dust. Powerful air jets, controlled by a central master box, are run at every machine shutdown, cleaning automatically the filters. Additional cleaning cycles can be initiated at any time.

- NO MORE WATER.
- NO MORE DRAINS.
- NO MORE MUD.
- STRONG SUCTION POWER.
- EASY MAINTENANCE.
- CERTIFIED.



Removable vertical suction device

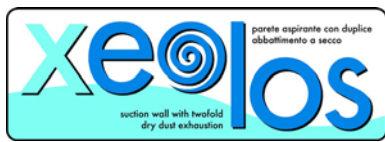
CERTIFIED:
Sound pressure: 77,0 db(A)
Dust residual in depurated air: 0,2 mg/Nm³



XAERO

Suction bench with two-fold dry dust exhaust





Suction wall with two-fold dry dust exhaust

Framework:

Tubular steel framework covered by epoxy wash primer and coated with poliurethan paint. Soundproof engine compartment with sound absorbing lining.

Logistic layout:

XEOLOS can be used alone or in sequence with other suction walls, according to the extent of the work area.

Extraction:

The strong extraction of XEOLOS is achieved through a dedicated front surface grid. Extraction can be increased and directed straight on the workpiece by an articulated suction arm (optional) which can be mounted on either the right or the left front side of XEOLOS.

Maintenance:

The twofold dry dust exhaustion system makes the maintenance of XEOLOS extremely easy and quick. The drawer collecting the dust, exhausted by cyclones and filters, is easily accessible and allows to do the maintenance in a few minutes without polluting the environment.

Standard equipment:

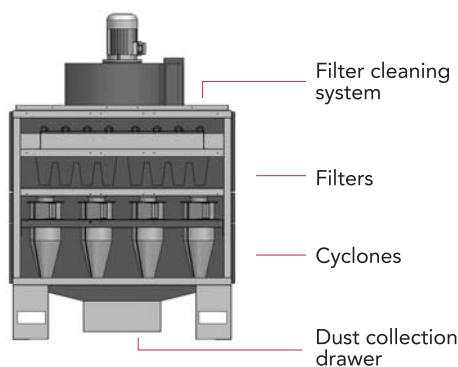
Double predisposition (on the right and the left upper front side) for mounting of N° 1 articulated suction arm (optional).

Optional equipment:

- articulated suction arm with relative mounting support (optional).
- n. 2 front shutters (optional) for the conveyance of the dust flow into the wall: when open, they increase the entrance surface of the dust; when closed, they increase the suction capacity of the articulated suction arm.
- n. 4 pivoting wheels (optional), equipped with supports, to allow handling of XEOLOS inside the work area.

Dimensions and weight

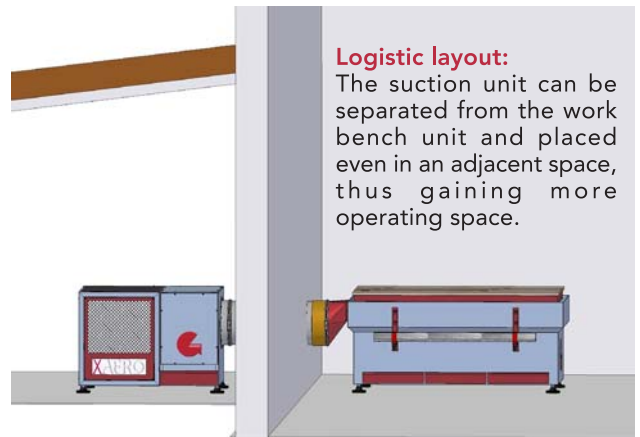
Dimensions 1450 x 2150 x 1130 mm (58" x 86" x 45.2")
weight aprox. 600 kg. (optional articulated arm, shutters and wheels not included).



Suction bench with two-fold dry dust exhaust

Framework:

Two separate units made of sand blasted metal covered by epoxy wash primer and coated with poliurethan paint, mounted on adjustable feet. Soundproof engine compartment.



Logistic layout:

The suction unit can be separated from the work bench unit and placed even in an adjacent space, thus gaining more operating space.

Work surface:

Metallic framework covered by epoxy wash primer and coated with poliurethan paint; work surface made of impregnated timber.

Extraction:

The strong extraction of XAERO is diffused all over the work surface perimeter. It is possible to remove the two central boards from the surface to allow a stronger and focused extraction. This is ideal to capture efficiently all the dust produced by disc cutting.

Maintenance:

The twofold dry dust exhaustion system makes the maintenance of XAERO extremely easy and quick. The drawers collecting the dust, exhausted by cyclones and filters, are easily accessible and allow to do the maintenance in a few minutes without polluting the environment.

Standard equipment:

No. 1 slab holder which can be fitted on both sides at different heights.

Dimensions and weight

Work bench unit: 2230 x 940 x 1140 mm
(89,2" x 37,6" x 45,6"), weight 370 kg.
Suction unit: 1400 x 940 x 940 mm
(56" x 37,6" x 37,6"), weight 300 kg.

Dimensions of both units assembled:
3630 x 940 x 1140 mm
(145,2" x 37,6" x 45,6"), weight 670 kg.

Technical data for both XEOLOS and XAERO:

Electrical system

- Power supply: 400 V – 50 Hz three phase. (other voltages upon request)
- Absorbed power: 4,0 kW.
- Electric power box to be fixed on the wall: dimensions 370 x 470 x 230 mm (14,8" x 18,8" x 9,2"); weight 12 kg.

Pneumatic system, driven by an electronic master unit, activating the filter cleaning cycles

- Required pressure: min. 8 bar.
- Required capacity: min. 75 liters/minute for XEOLOS, min. 56 liters/minute for XAERO.
- Air tank–distributor placed inside the machines.
- Nozzles (n. 40 for XEOLOS, n. 30 for XAERO), operated by pneumatic quick jet valves, for the automatic filter cleaning.