

DESCRIPTION

Central vacuum installation in factory processing raw material for glass industry.

LOCATION / DATE OF INSTALLATION :

Central Italy / March 2008

APPLICATION

Suction from machinery and conveyor belts of large quantities of fine ore and glass dust, carried out by operators using Ø 50 mm. hoses and suction tools. Two operators doing the cleaning at different points at the same time.



DESCRIPTION OF THE FIXED PIPING SYSTEM

The building where the central vacuum system was installed has 4 floors, and an extinction of approximately 50 mt. The vacuum unit and the collection skip were placed at the bottom, and the central piping was run up to the fourth floor (approximately 30 mt. high) and then to the extremities of each floor (approximately another 30 mt.)

COMPOSITION OF THE CENTRAL VACUUM SYSTEM

A) Suction unit:

1 x 30 HP unit (model DG300 SE) with inverter

B) Filter unit

1 micron - 120.000 cm² polyester PTFE treated filter with automatic temporized cleaning (mechanical shaking)

C) Collection unit

400 litres movable tilting skip AA1009

D) Fixed piping installation

- Material: Galvanized steel
- Overall piping length: approximately 260 mt.
- Size: Ø 76 mm. being reduced to Ø 50 mm. on the suction points
- N. , size and type of suction inlets: 24 x Ø 50 mm. , with microswitch for remote auto switch on / shut off of the vacuum unit







