



AIR SHOWER - STORM



The Air Shower of the series STORM have been designed to remove all polluting particles from the pallets and stacked materials, which are used in controlled contamination areas or in processes where the pallets and materials have to be cleaned before packaging or storage. The machine produced high-speed air washing cycles driven by high-head fans and directional nozzles: the air from the fans that comes into contact with the pallet is then recovered through intake grids and filtered using high efficiency filters. The nozzles are set in vertical columns at the four internal corners and on the ceiling panel of the Air Shower and guarantee excellent cleaning of the pallet: the machine ceiling is mounted on motorised runners so than it can draw very close and adapt to the various heights of the pallets. The machine functions are completely automatic and can be customised.

SKU: N/A



PRODUCT DESCRIPTION

Applications

Cleanrooms for Microelectronic, Electronic, Optical, Mechanical, Aerospace, Food, Pharmaceutical and Medical industries.

Components' description

Box shaped structure

in strong 12-15/10 mm thick steel plate, painted in the required RAL colour, adequately strengthened to block any mechanical resonance.

Neoprene sealing gaskets

between the box structures and panels

High-head centrifugal electric

fans, with a three-phase electric motor directly coupled to reverse blade impellers in galvanised steel and galvanised screw feeder.

Flat disposable pre-filter

G4 class in compliance to EN 779 standard.

Pocket filters

F9 class in compliance with the EN779 standards, complete with stainless steel filter-holder housing

Adjustable aluminium nozzles

with polyurethane sealing gasket.

Automatic rapid folding doors formed

of a strong painted steel structure and PVC canvas doors, complete with automation system, command and safety devices and balancing system.

Superior plenum automation

formed of aluminium and steel motorised runners, cogged anti-stretch belt, trolley and worm screw geared motor, complete with three-phase



electric motor.



Internal fluorescent lighting

Electric board

supplied separately in a painted steel cabin, which contains all the command, control and protection equipment for the Dust Exhaust.

PLC

for managing the Dust Exhaust function logic.

Differential manometers

for detecting whether the pre-filters and pocket filters are blocked.

Safety barrier

a device to detect and distinguish the material that is entering the Dust Exhaust.

Anti-falling device

a mechanic/pneumatic safety device which blocks the Dust Exhaust ceiling.

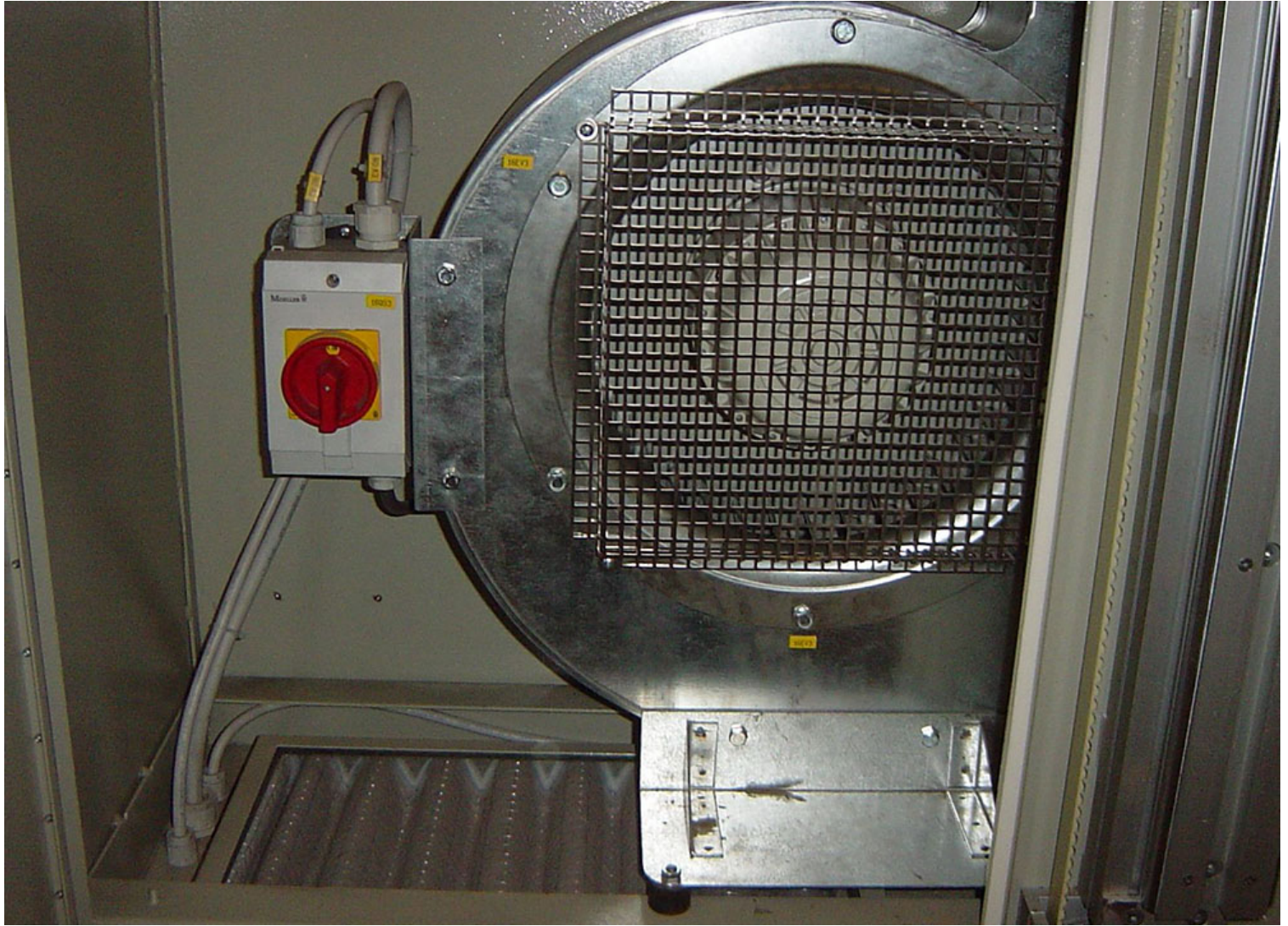
Operator control panel

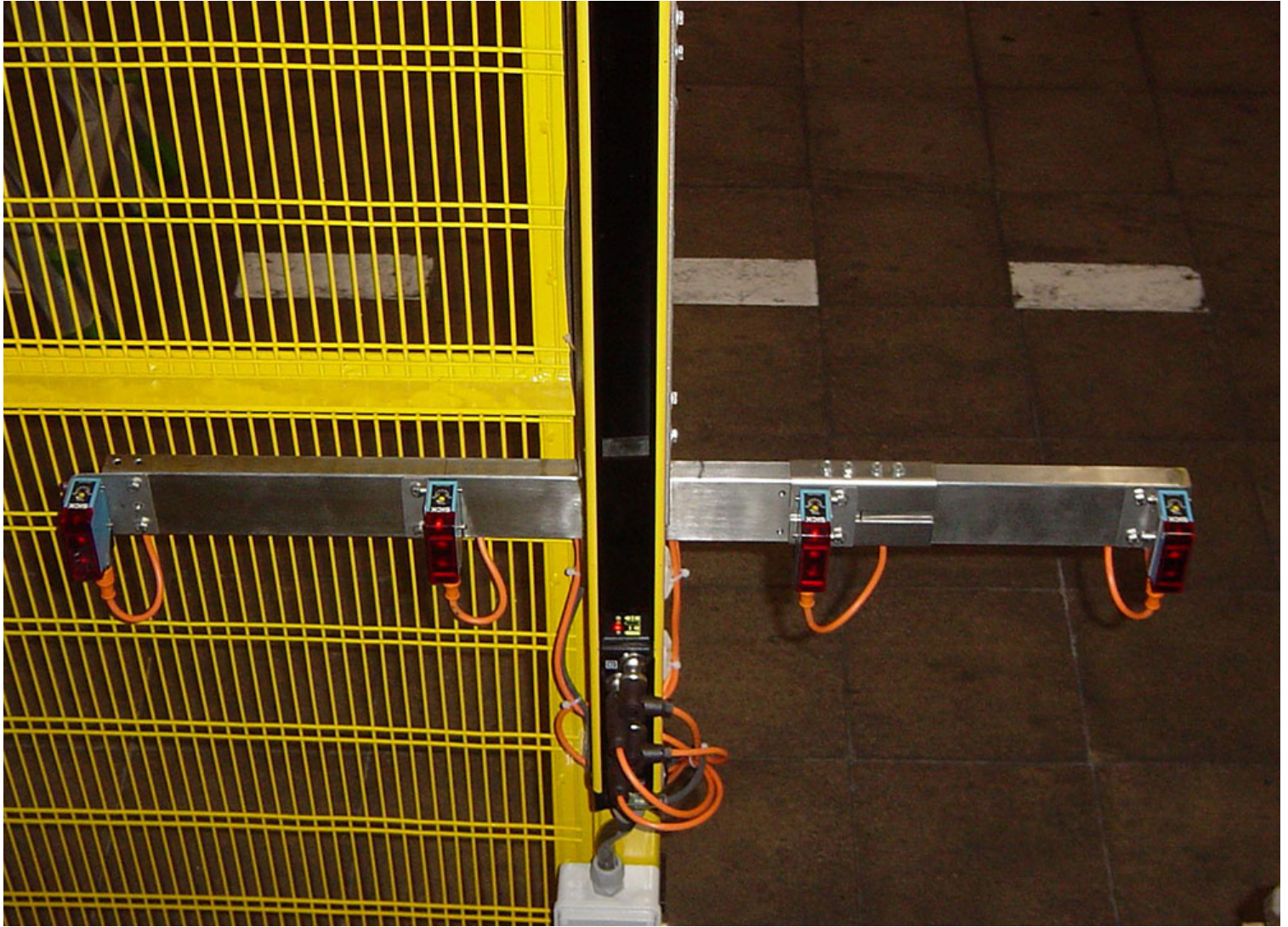
all the useful information are shown on the operator control panel.

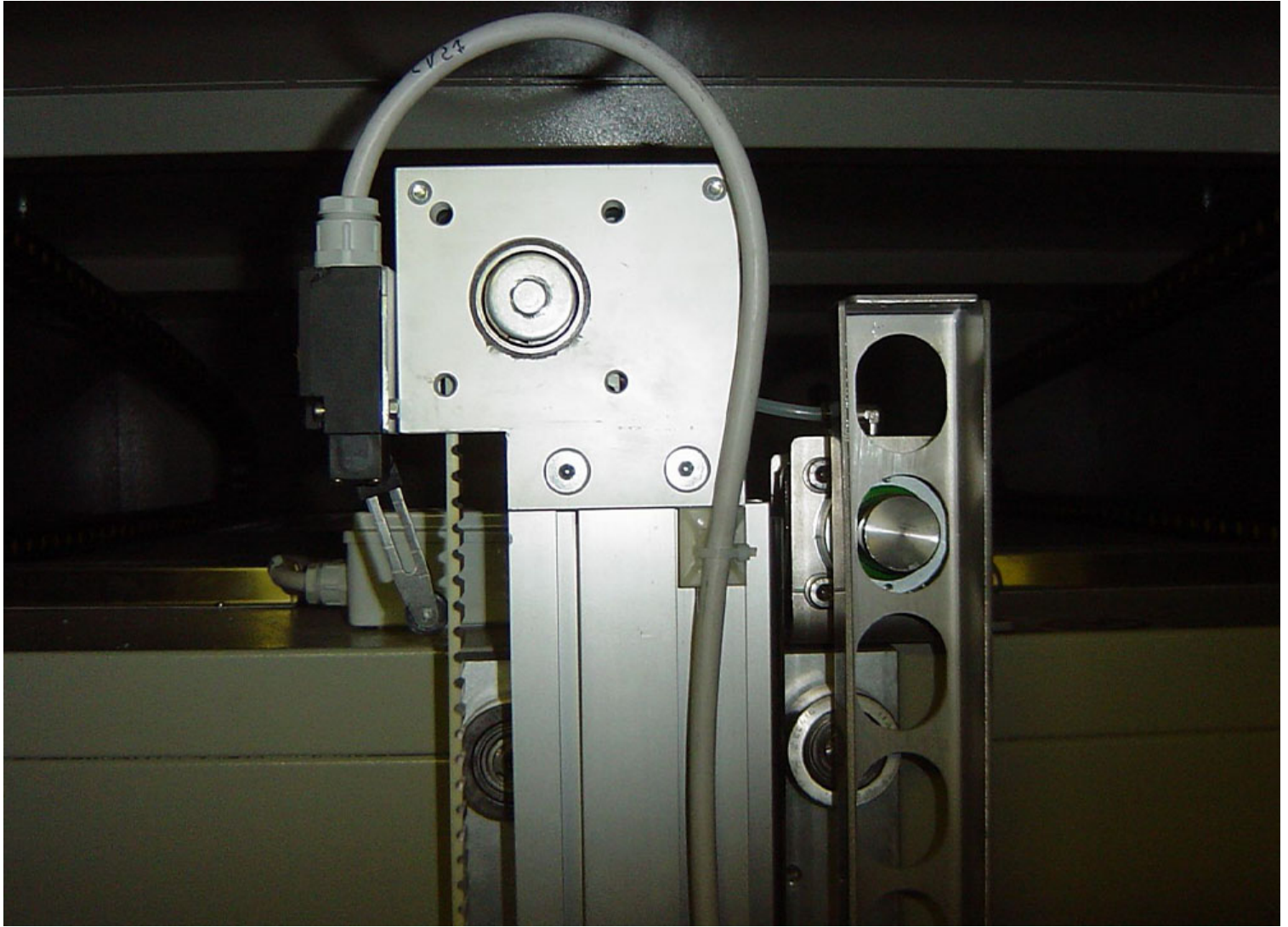
Optional accessories

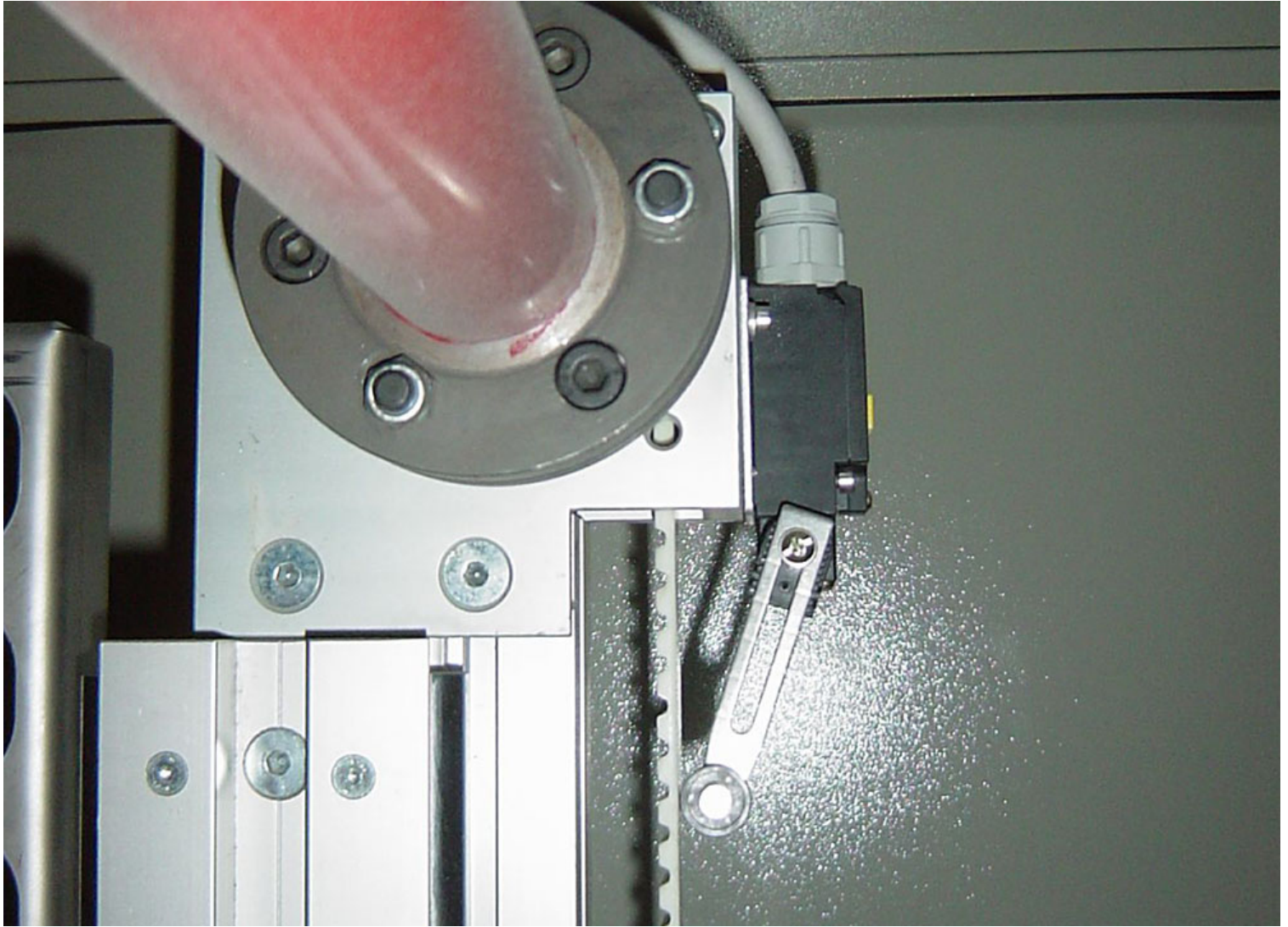
Absolute filter

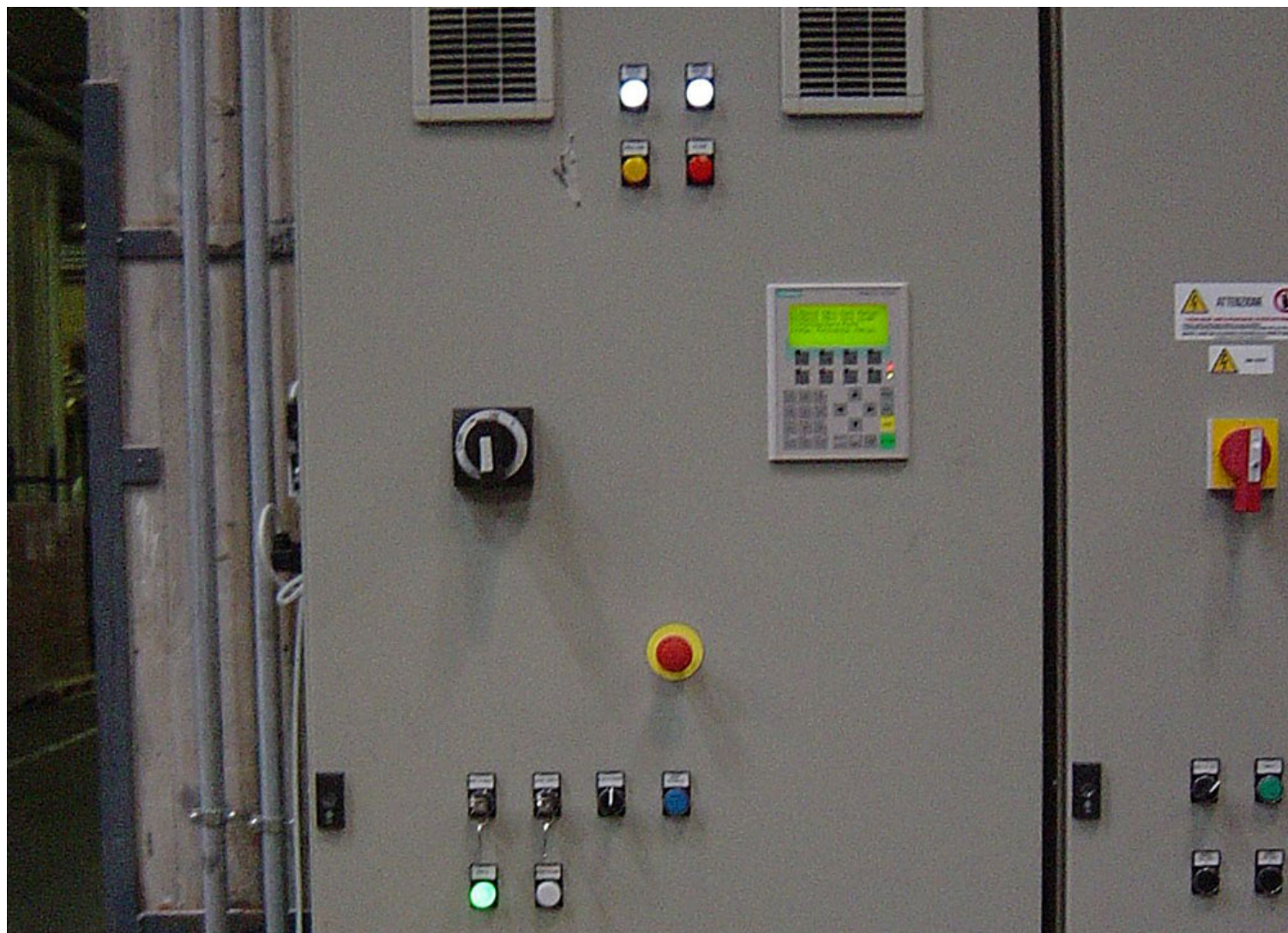
with low pressure drop, available with H10, H12 or H14 class, in accordance to EN1882:2009.











Overall dimensions mm	Net door dimensions mm	Air speed m/s	Power kW	External sound level dB(A)	
AxBxH	A1xB1			Washing cycle	Separation cycle
2.870x2.520x4.460	1.790x2.680	20-30	10	< 65	< 50