

Solution 1

Autonomous decontamination unit

SAÍDA DE AR
INTERIOR AIR OUTLET

INTERIOR
INSIDE

EXTERIOR
OUTSIDE

SAÍDA DE AR PARA O EXTERIOR

EXTERIOR
AIR OUTLET

ENTRADA DE AR
AIR INTAKE

Equipment

- > Hígia-1000 OID with HEPA filters

Characteristics Solution 1

- > Creates a negative pressure in a standard room
- > Recycles the air with double HEPA filtration.
It retains the particles that may transport virus and bacteria
- > Simple installation

HÍGIA-1000 OID

DESCRIPTION

Hígia-1000 OID is an autonomous and portable unit, designed to easily convert a standard nursery room into a negative pressure room. Equipped with two HEPA filters of 99,98% and 99,998% efficiency for particles of 0,3 microns (3/10000 millimetres) and UV germicidal lamps, its construction meets the highest standard of air filtration such as demanded by Centres for Disease Control and Prevention, World Health Organization.

CHARACTERISTICS

- > Portable: Equipped with large diameter wheels it allows easy mobility even when entering elevators;
- > Double function: It decontaminates room air and creates negative pressure through a flexible duct easy connection;
- > Double protection: Besides the double filtration through double HEPA filter, germicidal UV lights disinfect filter surfaces;
- > Filter clogging alarm allows an adequate way of using entire useful time of filters and also more rational use of energy;
- > Easy access for maintenance (Authorised technicians only);
- > Electronically Commutated (EC) Fan delivers the highest level of efficiency technology available.
- > Pre-filter G4 to protect and increase HEPA filter live.
- > Electronic continuous air-flow regulation guaranties the exact desired air-flow even with the increase of filter's pressure loss.
- > Robust galvanized 1,2 mm thick sheet metal construction protected with 60 micron electrostatic Polyester paint.

APPLICATIONS

Hospitals:

- > Negative pressure rooms
- > Waiting rooms
- > Emergency rooms

Other applications:

- > Retirement homes
- > Long-term care facilities
- > Clinics
- > Physiotherapy rooms

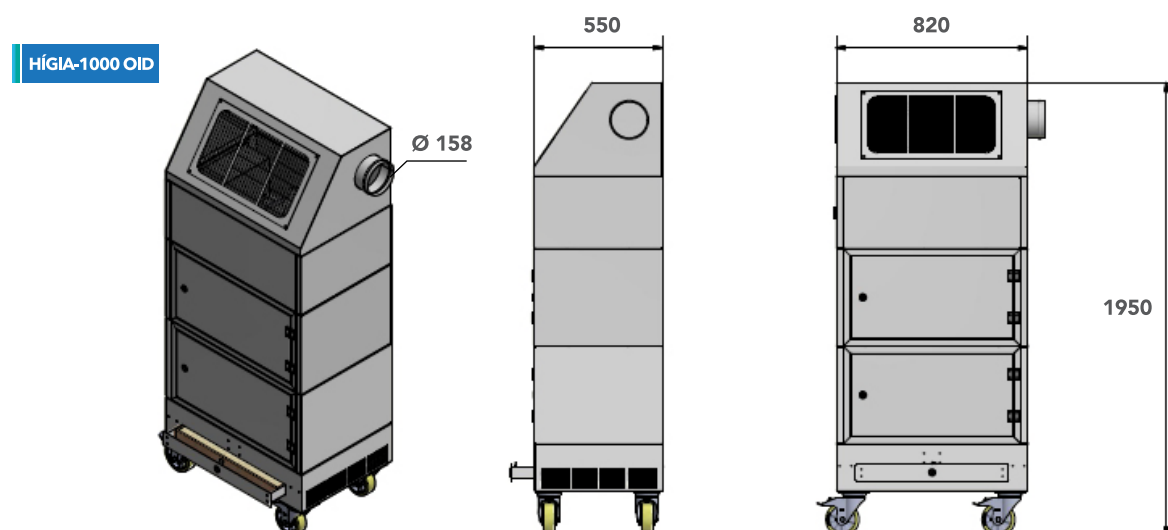
ACCESSORIES

- > Flexible tube for external connection
- > Room pressure indicator

TECHNICAL DATA

Airflow	[m3/h]	1000
Flow to create negative pressure	[m3/h]	300
Electrical supply		220 V/50 -60 Hz (monophase)
Rated power	[Watts]	750
Maximum current intensity	[A]	3,4
Weight without filters	[kg]	130
Noise at 3 meters (minimum / average / maximum speeds)	[dBA]	27/33/42
Dedicated area (for ceiling height of 2.4 meters and 12 renovations per hour)	[m2]	35

3D DRAWINGS



Component:

Pre filter
Second level filtering
Terminal filtration
Germicidal lamp (2 units)

Order reference:

Corrugated Card Cassette G4 287x592x45mm
HEPA filter H13 305x610x292mm
HEPA filter H14 305x610x292mm
G13 18w 600mm TUV