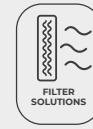


UPA

Units designed for cleaning and purifying indoor air. For use in areas of high occupancy, pharmaceutical industry and hospitals



Units specifically designed for cleaning and purifying indoor air, in any type of premises and mainly in areas with high occupancy, also indicated for the pharmaceutical industry and hospital applications.

Characteristics:

- Plug Fan type fans with EC Technology.
- Efficient, adjustable and low noise level equipment.
- Filtration stages, depending on model:
- First stage of F7 Filtering.
- Active carbon filter.
- Final filter F9.
- HEPA H14 final filter, 99.99% efficiency.
- UVc germicidal chamber, according to order code.
- Control panel with on/off and dirty filters indicator.
- Led indicator germicidal chamber operation.

- Completely removable for cleaning and maintenance.
- Panels with interior insulation.

Motor:

- High efficiency, external rotor, EC Technology motors, incorporating constant flow regulation, with two pre-adjustable set points.
- Single-phase 200-230 V 50/60 Hz.

Finish:

- Frames made form aluminum section and 25 mm insulated panels, pre-finished exterior, galvanized interior.

On request:

- Drive module 1 front grill.
- Drive module with circular ducts.
- Equipped with wheels.

Order code

UPA – UV – 1500 – F9 – CG

UPA: Units designed for cleaning and purifying indoor air. For use in areas of high occupancy, pharmaceutical industry and hospitals

UV: Vertical unit
UH: horizontal unit

Air flow rate (m³/h)

Filter F9
HEPA filter H14

Uvc germicidal chamber

Technical characteristics

| Model | Recommended effective working area ¹ | Maximum flow rate | | Available pressure | Power supply | Noise level | Fan | Approx. weight |
|-------------|---|---------------------|-------|--------------------|----------------------|-------------|------|----------------|
| | (m ²) | (m ³ /h) | (cfm) | (Pa) | (V) | (dB (A)) | (kW) | |
| UPA-UV-1500 | 200-350 | 1,500 | 883 | 250 | 200-230V 50/60Hz 1Ph | 47 | 0.76 | 113 |
| UPA-UV-3000 | 300-450 | 3,000 | 1766 | 250 | 200-230V 50/60Hz 1Ph | 51 | 1.35 | 140 |
| UPA-UV-4500 | 450-900 | 4,500 | 2649 | 300 | 200-230V 50/60Hz 1Ph | 55 | 2.7 | 177 |
| UPA-UV-6000 | 900-1,100 | 6,000 | 3531 | 250 | 200-230V 50/60Hz 1Ph | 59 | 5.4 | 215 |
| UPA-UH-1500 | 200-350 | 1,500 | 883 | 250 | 200-230V 50/60Hz 1Ph | 47 | 0.76 | 108 |
| UPA-UH-3000 | 300-450 | 3,000 | 1766 | 250 | 200-230V 50/60Hz 1Ph | 52 | 1.52 | 138 |
| UPA-UH-4500 | 450-900 | 4,500 | 2649 | 250 | 200-230V 50/60Hz 1Ph | 55 | 2.7 | 135 |
| UPA-UH-6000 | 900-1,100 | 6,000 | 3531 | 250 | 200-230V 50/60Hz 1Ph | 59 | 5.4 | 155 |

¹Recommended effective working area with a 3-meter-high premises.

*Available pressure with G4 and F9 filter.

Construction

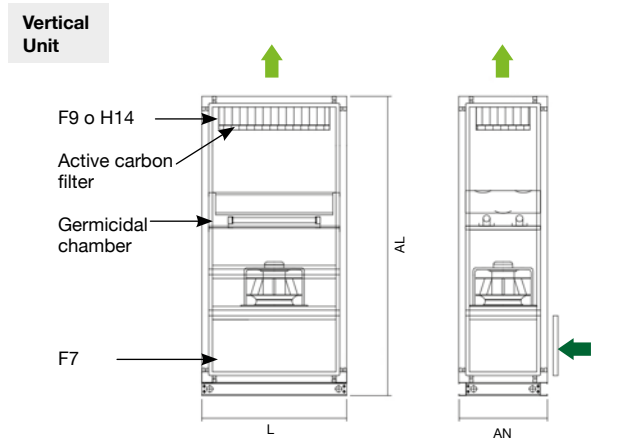
Vertical Unit (UV)

Vertical Unit (UV) ideal for direct use on the rooms to be purified, it can also be supplied on request with an impulsion module with outlet through diffusion grille and with wheels if necessary.

Horizontal Unit (UH)

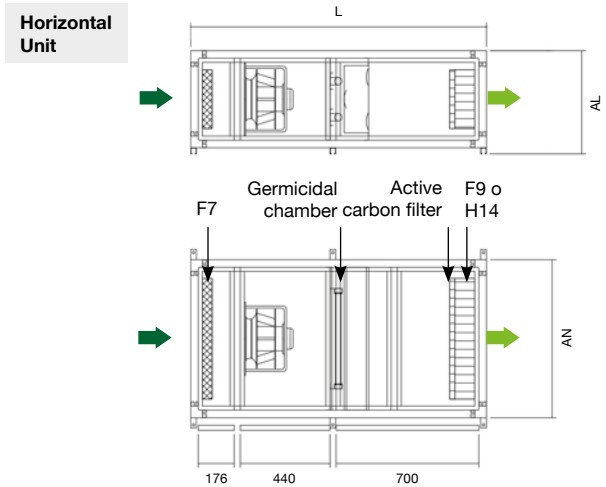
Horizontal Unit (HU) conceived to be installed in false ceilings and connected through ducts to the premises where the air needs to be treated.

Dimensions mm



| | L | AN | H |
|-------------|------|-----|------|
| UPA-UV-1500 | 774 | 474 | 1600 |
| UPA-UV-3000 | 774 | 779 | 1600 |
| UPA-UV-4500 | 1079 | 779 | 1600 |
| UPA-UV-6000 | 1504 | 779 | 1600 |

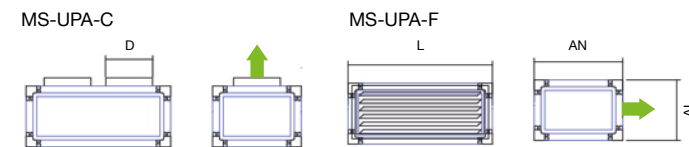
Data subject to change without prior notice.



| | L | AN | H |
|-------------|------|------|-----|
| UPA-UH-1500 | 1450 | 774 | 479 |
| UPA-UH-3000 | 1450 | 1366 | 479 |
| UPA-UH-4500 | 1450 | 1069 | 779 |
| UPA-UH-6000 | 1450 | 1366 | 779 |

Data subject to change without prior notice.

Drive modules



| | L | AN | AL | D | Number of ducts | Approx. weight (Kg) |
|-------------|------|-----|-----|-----|-----------------|---------------------|
| MS-UPA-1500 | 774 | 474 | 324 | 250 | 2 | 25 |
| MS-UPA-3000 | 774 | 779 | 490 | 250 | 4 | 33 |
| MS-UPA-4500 | 1079 | 779 | 490 | 250 | 6 | 42 |
| MS-UPA-6000 | 1504 | 779 | 490 | - | - | 55 |

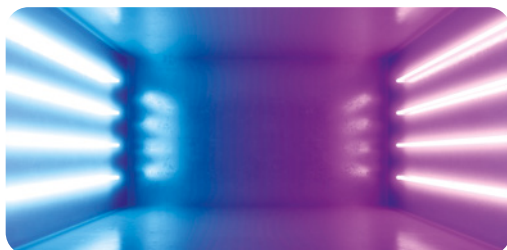
Filtered

These air purification units are equipped with filters capable of removing at least 70% of particles larger than 0.4µm. The standard model comes with a first G-4 filter stage and a final F-9 filter, it also incorporates as standard, an activated carbon stage, designed to remove stale odours produced during everyday use of the premises. Depending on model type H14 HEPA filters can be installed with a minimum retention capacity of 99.95% for particles larger than 0.3µm.

| Filters | EN 779 Em | EN 1822 | ISO 16890 | | | |
|----------|-----------|----------|----------------------|------------------------|-----------------------|------------|
| | | | ISO ePM ₁ | ISO ePM _{2.5} | ISO ePM ₁₀ | ISO COARSE |
| G4 | 90% | - | - | - | - | >90% |
| F7 | 90% | - | >50% | >65-95% | >85% | - |
| F9 | 95% | - | >80% | >95% | >95% | - |
| HEPA H14 | - | >99.995% | - | - | - | - |

Technical characteristics of the UVC germicidal chamber

According to the model, these purification units can integrate a germicidal chamber, built with UVC ultraviolet lamps in a 256 nm spectrum, a wave width indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA.



| Model | Number of lamps | Total electrical power (W) | Total Uvc radiation power (W) | Radiation dose (mJ/cm ²) * |
|------------|-----------------|----------------------------|-------------------------------|--|
| CG-UV-1500 | 3 | 48 | 21 | 4.85 |
| CG-UV-3000 | 7 | 112 | 48 | 5.66 |
| CG-UV-4500 | 4 | 216 | 70 | 5.39 |
| CG-UV-6000 | 14 | 224 | 98 | 5.47 |
| CG-UH-1500 | 3 | 48 | 21 | 5.17 |
| CG-UH-3000 | 2 | 150 | 51 | 6.28 |
| CG-UH-4500 | 4 | 216 | 70 | 5.89 |
| CG-UH-6000 | 14 | 224 | 98 | 6.04 |

*Minimum dose calculated based on flow with filters: F7+F9.