



## Product datasheet

# HALO

Professional Laboratory Grade Air Purifiers

**Filtration of VOCs, Viruses,  
and Viable/Non-Viable Pollutants**

- Ceiling mounted for optimal efficiency
- Energy efficient (50W) output
- Validated performance
- Independent and self sustainable, no HVAC required
- SMART remote management with SMART light technology
- Guaranteed ventilation
- Improvement with increased air change rates (ACH)



Laboratory



Senior Living



Classroom

| Avantor Cat. #             | Molecular Filtration                                                                                                                                   |              |           | Viable & Non-viable Particulate Filtration |      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|--------------------------------------------|------|
|                            | VOC                                                                                                                                                    | Formaldehyde | Acids     | HEPA                                       | ULPA |
|                            | 75784-654                                                                                                                                              | 76202-618    | 75784-652 | 76460-882                                  |      |
|                            | HALO C                                                                                                                                                 |              |           | HALO P                                     |      |
| External width (mm / in)   | 592 / 23 <sup>1/4</sup>                                                                                                                                |              |           | 592 / 23 <sup>1/4</sup>                    |      |
| External depth (mm / in)   | 892 / 35 <sup>1/4</sup>                                                                                                                                |              |           | 892 / 35 <sup>1/4</sup>                    |      |
| External height (mm / in)  | 260 / 10 <sup>1/4</sup>                                                                                                                                |              |           | 303 / 12                                   |      |
| Air flow (m3/h / CFM)      | 220 m³/h / 130 CFM                                                                                                                                     |              |           | 300 m³/h / 176 CFM                         |      |
| Safety Standards :         | *Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France<br>EN 1822 : 1998 (HEPA H14 & ULPA U16 Filters) - CE Marking |              |           |                                            |      |
| Voltage / Frequency (V/Hz) | 80-240VAC 50/60Hz                                                                                                                                      |              |           | 80-240VAC 50/60Hz                          |      |
| Power consumption          | 50 Watt                                                                                                                                                |              |           | 50 Watt                                    |      |
| Operating mode             | 24/24h - 7/7, Night/Day, Min Max detection, Detection value only                                                                                       |              |           | 24/24h - 7/7, Night/Day                    |      |
| Ceiling mounted            | Hung via 4 eye bolts (included)                                                                                                                        |              |           | Hung via 4 eye bolts (included)            |      |
| Weight (kg/lbs)            | 31 kg - 68 lbs (filter included)                                                                                                                       |              |           | 31 kg - 68 lbs (filter included)           |      |
| Protected surface (m²)     | 25 m² / 269 ft²                                                                                                                                        |              |           | Up to 93 m² / 1,000 ft²                    |      |

## Features

|                                 |                                                                                                                            |                                          |                                                                |             |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------|-------------|
| Communication interface         | Simple communication by LED pulses: fan settings, usage timer, fan failure, automatic detection of air quality performance |                                          |                                                                |             |
| Connectivity                    | RJ45 ethernet cable connection                                                                                             |                                          |                                                                |             |
| Air quality performance sensors | Semiconductor for VOCs                                                                                                     | Electro-chemical sensor for Formaldehyde | Semiconduct or Electro-chemical for a wide array of pollutants | Timer Based |

## Options

|                                        |                    |                         |                                    |                                                                                        |
|----------------------------------------|--------------------|-------------------------|------------------------------------|----------------------------------------------------------------------------------------|
| Carbon filtration for gases and vapors | For organic vapors | For formaldehyde vapors | For organic vapors and acid vapors |                                                                                        |
| Particulate filtration for powders     |                    |                         |                                    | HEPA H14 filtration efficiency: 99.995 %<br>ULPA U16 filtration efficiency: 99.99995 % |
| Prefilter                              | Particulate filter |                         |                                    |                                                                                        |
| Postfilter                             | Particulate filter |                         |                                    |                                                                                        |

## Structure

|                   |                                                                            |          |
|-------------------|----------------------------------------------------------------------------|----------|
| Metallic frame    | Corrosion resistant electro-galvanized steel coated with anti-acid polymer |          |
| Filtration module | Injected polypropylene                                                     | Aluminum |



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