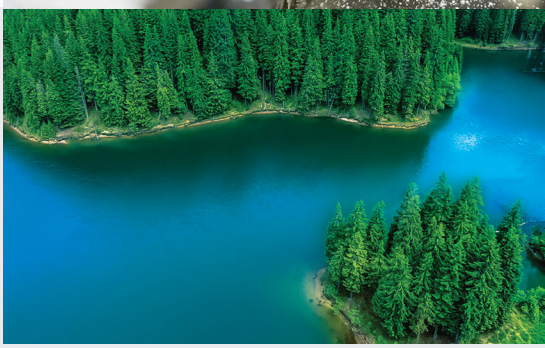
# Oil stop

## Extraction and filtration unit for oil mist exhaust








**Oil stop**

Oil stop **1-2-4-6-8**
Oil stop **R 1-2-4-6-8**
Oil stop **RH 1-2-4-6-8**
Oil stop **RHT 1-2-4-6-8**

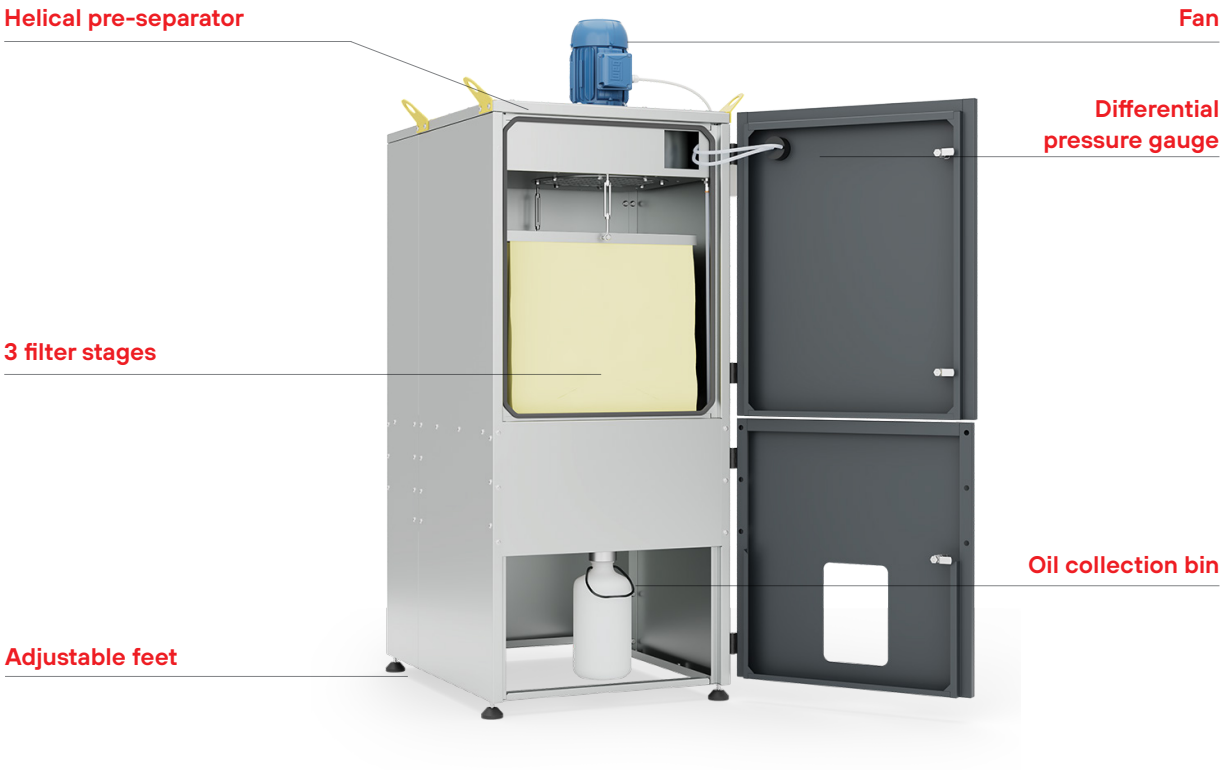
Innovative Air Solutions
For a cleaner future.

# Design

The compact Oil stop filter unit is perfect for extraction and filtration of oil mists. It's equipped with a centrifugal helical pre-separator, a droplet separator, a metal mesh filter and, finally, pocket filters that ensure maximum air purification with efficient oil collection.

**Oil stop**

20 Models




# Highlights

- **Highest efficiency** thanks to high-quality filter media, for up to 99.95 % filtration.
- **Plug & Play** solution, no installation required.
- **Differential pressure** gauge, for filter clogging monitoring.
- The centrifugal **helical pre-separator** (patented by Coral) ensures longer service life for all filter stages and reduces maintenance costs.
- If odour reduction is required, **activated carbon filters** can be integrated into the unit or intalled within the plenum.
- In addition, **H13 and H14 absolute filters** can be integrated into the unit or installed inside the plenum upon request.
- **Extremely quiet** operations.
- **Low maintenance** costs and **easy** filters **replacement**.

# Applications

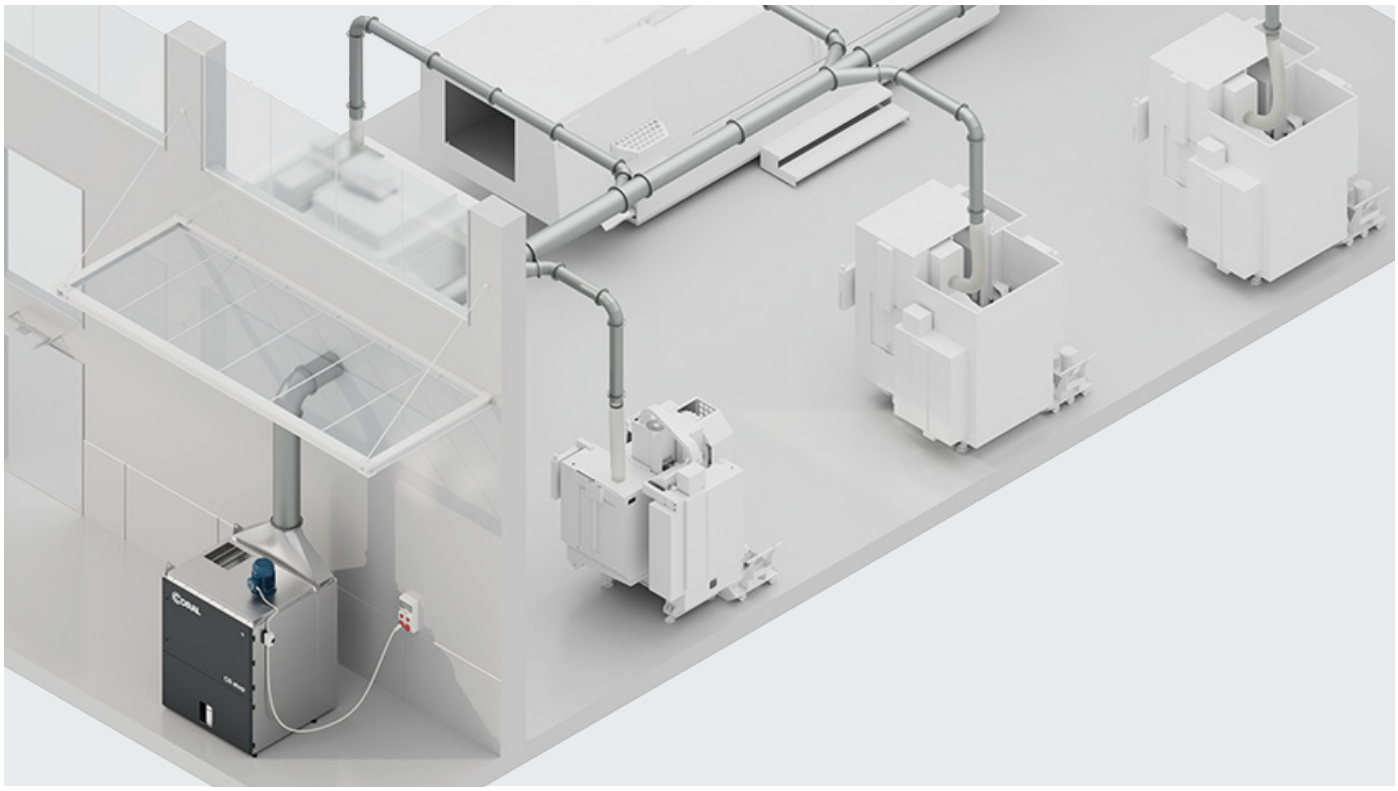


Oil mists

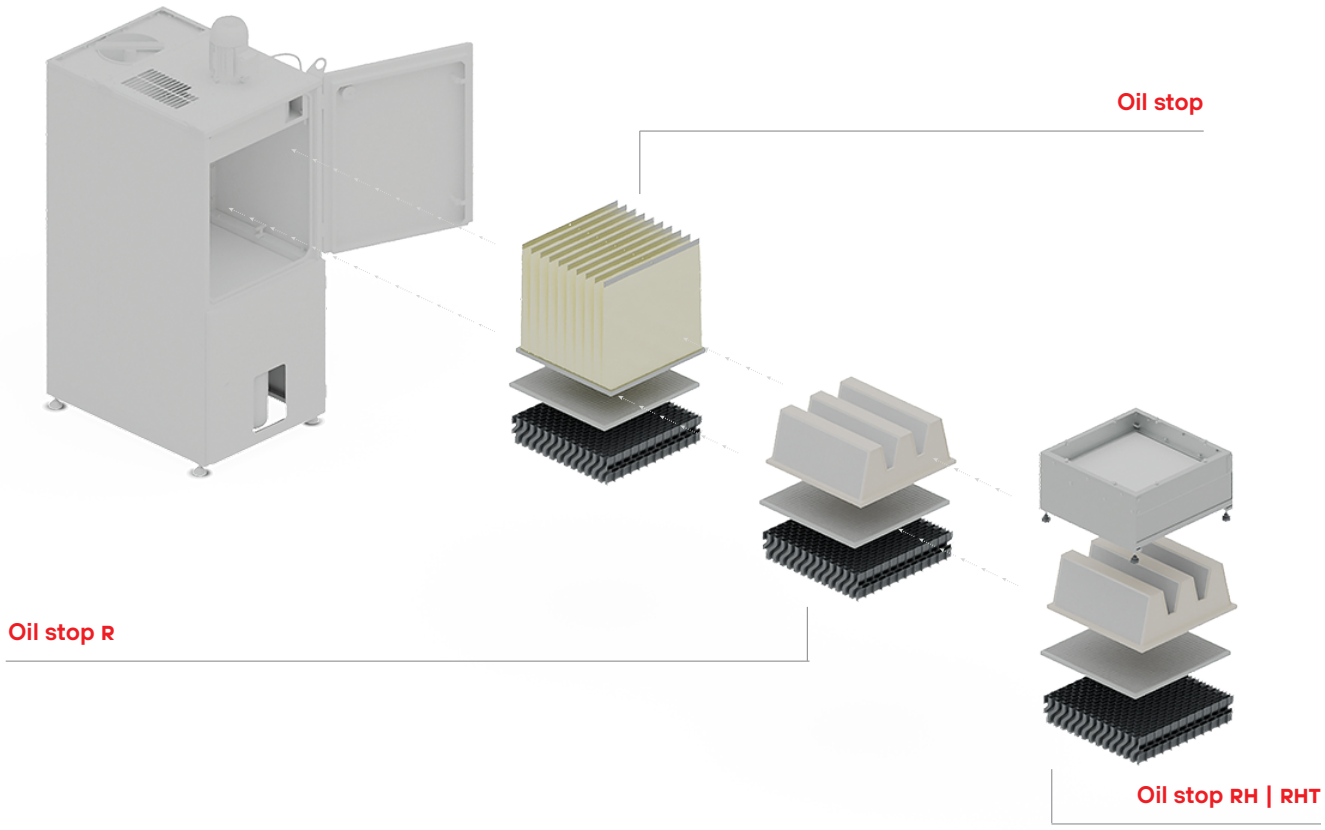
# Clean air solutions

Oil stop units are designed to effectively remove oil mists and fumes in various industrial contexts, from mechanical engineering to food processing. They are suitable for machinery such as lathes, CNC, grinding machines, printing machines, and also for food plants with vegetable oil mist. Made of high-efficiency materials (G2 pre-filter and F9 main filter), they offer up to 95% filtration efficiency, with the possibility of reaching up to 99.95% with HEPA H13 and H14 filter.

On request, they can include activated carbon filters to eliminate specific odours, selected according to the composition of the pollutants.
In addition to their effectiveness, they stand out for their quiet operations, thanks to the internal structure and casing.
Soundproofing accessories such as the soundproof plenum or the AFON silencer are available for even more noise-sensitive environments.

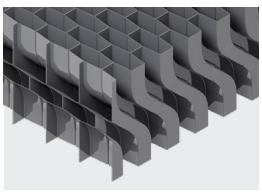


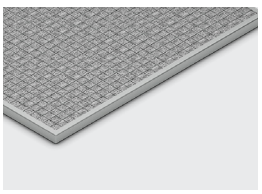
# Filtration technology

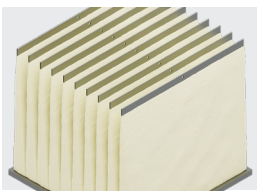


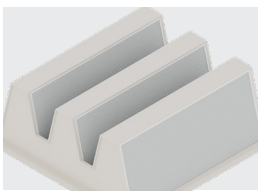

## Filter Media

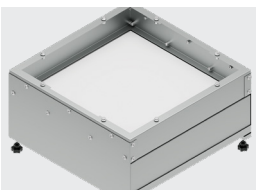
| MEDIA | | MATERIALS | Oil stop | Oil stop R | Oil stop RH | Oil stop RHT |
|---|---|---|---|---|---|---|
| | DROPLET SEPARATOR | | ■ | ■ | ■ | ■ |
| (EN 779) G2 | PRE-FILTER | METAL | ■ | ■ | ■ | ■ |
| (EN 779) F9 | POCKET FILTER | GLASS MICROFIBER | ■ | | | |
| (EN779) F9 | RIGID POCKET FILTER | GLASS MICROFIBER | | ■ | ■ | ■ |
| (EN 779) H13 | ABSOLUTE HEPA FILTER | GLASS MICROFIBER | | | ■ | ■ |


Droplet separator


Metal mesh pre-filter


Pocket filter


Rigid pocket filter


Absolute HEPA filter

# Principle of operation

Polluted air containing oil mist is initially treated in a mechanical separator consisting of a centrifugal helical pre-separator inside a duct lined with metal mesh. In this pre-filtration phase, the centrifugal force generated by the fan causes the oil droplets to impact the walls of the duct, where the wire mesh prevents them from flowing back into the air stream, allowing them instead to slide towards the collection hopper. This step removes the larger oil particles from the air almost completely before it passes through the droplet separator, the metal mesh pre-filter, and then a pocket filter. Due to the efficiency of the mechanical droplet separator and the pre-filter, the air is already free of medium to large oil droplets. Finally, to remove the remaining impurities such as micro-mists and oily vapours, the air passes through a high-surface-area pocket filter. The collected oil is conveyed into a small bin or discharged through a siphon for continuous drainage, allowing it to be recycled. The purified air is then exhausted through a grille at the top of the unit. In the **Oil Stop R** or **RH** models, it also passes through a HEPA filter.

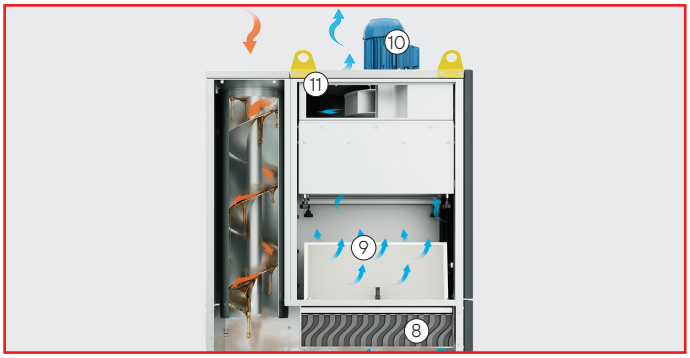
**Oil stop**




**Oil stop RH | RHT**




**Oil stop R**




POLLUTED AIR

FILTERED AIR

1. Oil mist inlet
2. Centrifugal separator
3. Oil drain hopper
4. Oil collection bin
5. Droplet separator
6. Metal mesh pre-filter
7. Pocket filter
8. Rigid pocket filter
9. Absolute HEPA filter
10. Fan
11. Filtered air outlet
12. Levelling feet

# Product range



## Oil stop

Complete with pocket filter, suitable for the filtration of oil mist from emulsions.



## Oil stop R

Complete with rigid pocket filter, suitable for the filtration of oil mist from emulsions.



## Oil stop RH

Complete with rigid pocket filter and H13 HEPA filter, suitable for the filtration of oil mist from emulsions.



## Oil stop RHT

Complete with rigid pocket filter and H13 HEPA filter, suitable for the filtration of whole oil fumes.

# Technical features

| Technical features | | Model OIL STOP | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OIL STOP \| R | | | | | OIL STOP RH | | | | | OIL STOP RHT | | | |
| | | 1 | 2 | 4 | 6 | 8 | 1 | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 |
| Power | HP | 1 | 2 | 4 | 5.5 | 7.5 | 1 | 2 | 4 | 5.5 | 7.5 | 2 | 4 | 5.5 | 2x4 |
| Nominal airflow | CFM | 589 | 1413 | 2119 | 3178 | 4120 | 471 | 1059 | 1766 | 2943 | 3914 | 1059 | 2207 | 3355 | 4414 |
| Nominal max. | CFM | 883 | 1766 | 2354 | 3532 | 4414 | 706 | 1177 | 2060 | 3237 | 4120 | 1177 | 2354 | 3532 | 4708 |
| Filtering Surface | sq ft | 71.6 | 71.6 | 114.1 | 165.8 | 228.2 | 150.7 | 150.7 | 301.4 | 301.4 | 602.8 | 301.4 | 301.4 | 301.4 | 602.8 |
| Filtration efficiency | | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% |
| Bin storage capacity | gal | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 1x1.3 | 2x1.3 |
| R.P.M. | | 3450 | | | | | 3450 | | | | | 3450 | | | |
| Fan Voltage STD | V<br>Hz | 230/460<br>60 | | | | | 230/460<br>60 | | | | | 230/460<br>60 | | | |
| Noise level | dB | 74 | 78 | 86 | 83 | 84 | 74 | 76 | 85 | 82 | 83 | 75 | 85 | 82 | 83 |
| Noise level with soundproof plenum | dB | 71 | 74 | 80 | 77 | 78 | 71 | 73 | 79 | 76 | 77 | 72 | 79 | 76 | 77 |
| Total weight | lb | 353 | 397 | 507 | 772 | 882 | 364 | 430 | 551 | 816 | 948 | 529 | 794 | 992 | 1654 |
| Static pressure | in w.g. | 1 | 1.9 | 2.8 | 2.9 | 3.5 | 1 | 2 | 2.8 | 2.8 | 3.5 | 2.1 | 3.3 | 3.5 | 3.9 |



# Standard Components

**Oil stop | R | RH | RHT**



Differential pressure gauge

**Oil stop | R | RH | RHT**



Start/Stop thermal switch

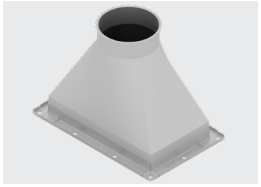
**Oil stop | R | RH**



Oil collection bin

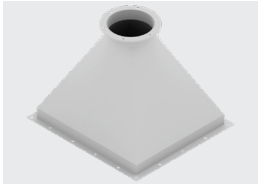
# Options

**Oil stop | R | RH | RHT**



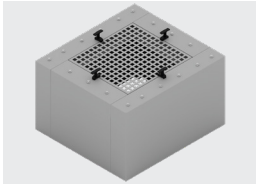
Inlet connection

**Oil stop | R | RH | RHT**



Outlet connection

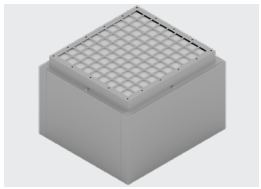
**Oil stop | R | RH | RHT**



Soundproof plenum with mesh

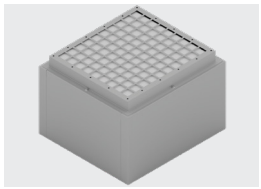


**Oil stop | R | RH | RHT**



Soundproof plenum with activated carbon filter

**Oil stop | R | RH | RHT**



Plenum box with H13 and H14 HEPA filters

**Oil stop | R | RH | RHT**



Differential pressure switch with dry contact for filter clogging indication

**Oil stop | R | RH | RHT**



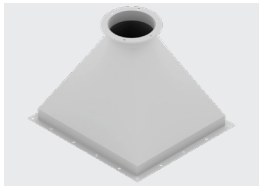
Control panel with differential pressure switch management

**Oil stop | R | RH | RHT**



AFON silencer + air diffuser kit

**Oil stop | R | RH | RHT**



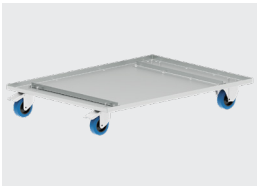
Adaptor for silencer and air diffuser

**Oil stop | R | RH | RHT**



Drain siphon

**Oil stop | R | RH | RHT**



Wheel kit with base

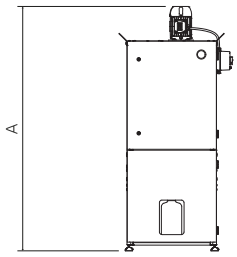
**Oil stop | R | RH | RHT**

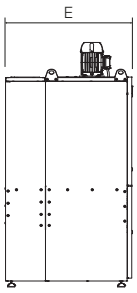


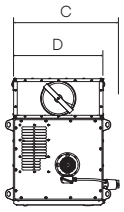
Evolution No Smoke arm

# Overall dimensions

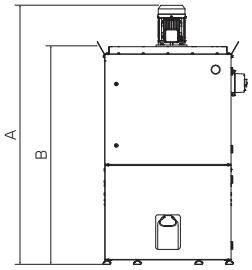
## OIL STOP 1 -2 | R 1-2 | RH 1-2

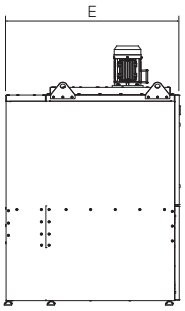


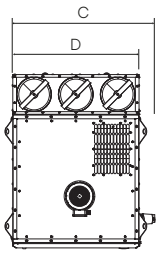



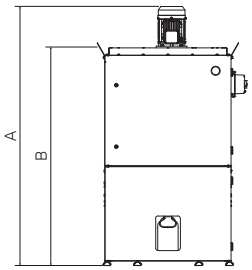

## OIL STOP 4 | R 4 | RH 4

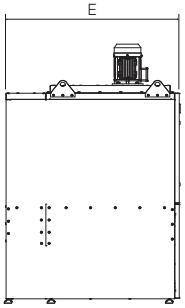


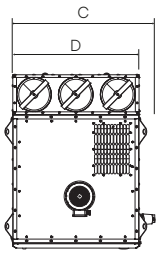



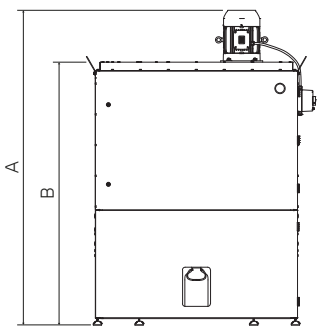

## OIL STOP 6 | R 6 | RH 6

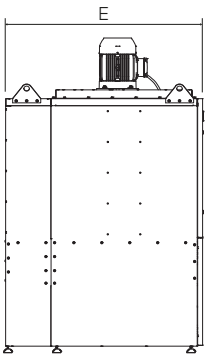


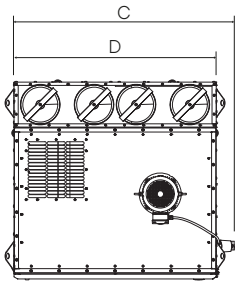




## OIL STOP 8 | R 8 | RH 8

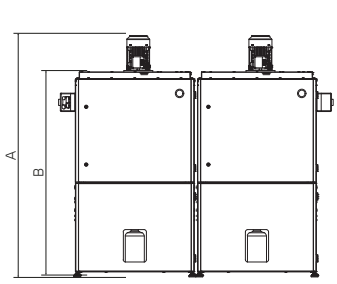


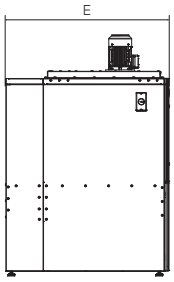



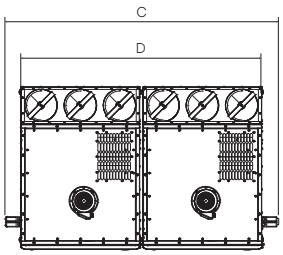



# Overall dimensions

## OIL STOP RHT 8




| MODEL | DIMENSIONS (in) | | | | |
|---|---|---|---|---|---|
| | A | B | C | D | E |
| Oil stop **1 |R 1 |RH 1** | 76.2 | 66.9 | 34.3 | 28.6 | 41 |
| Oil stop **2 |R 2 |RH 2** | 77.9 | 66.9 | 34.3 | 28.6 | 41 |
| Oil stop **4 |R 4 |RH 4 |RHT 2** | 79.1 | 66.8 | 34.3 | 28.6 | 55.7 |
| Oil stop **6 |R 6 |RH 6 |RHT 4** | 83.1 | 69.9 | 46.2 | 40.4 | 55.6 |
| Oil stop **8 |R 8 |RH 8 |RHT 6** | 88.8 | 73.9 | 62.7 | 56.9 | 55.7 |
| Oil stop **RHT 8** | 82.3 | 69.9 | 93.5 | 82 | 55.6 |

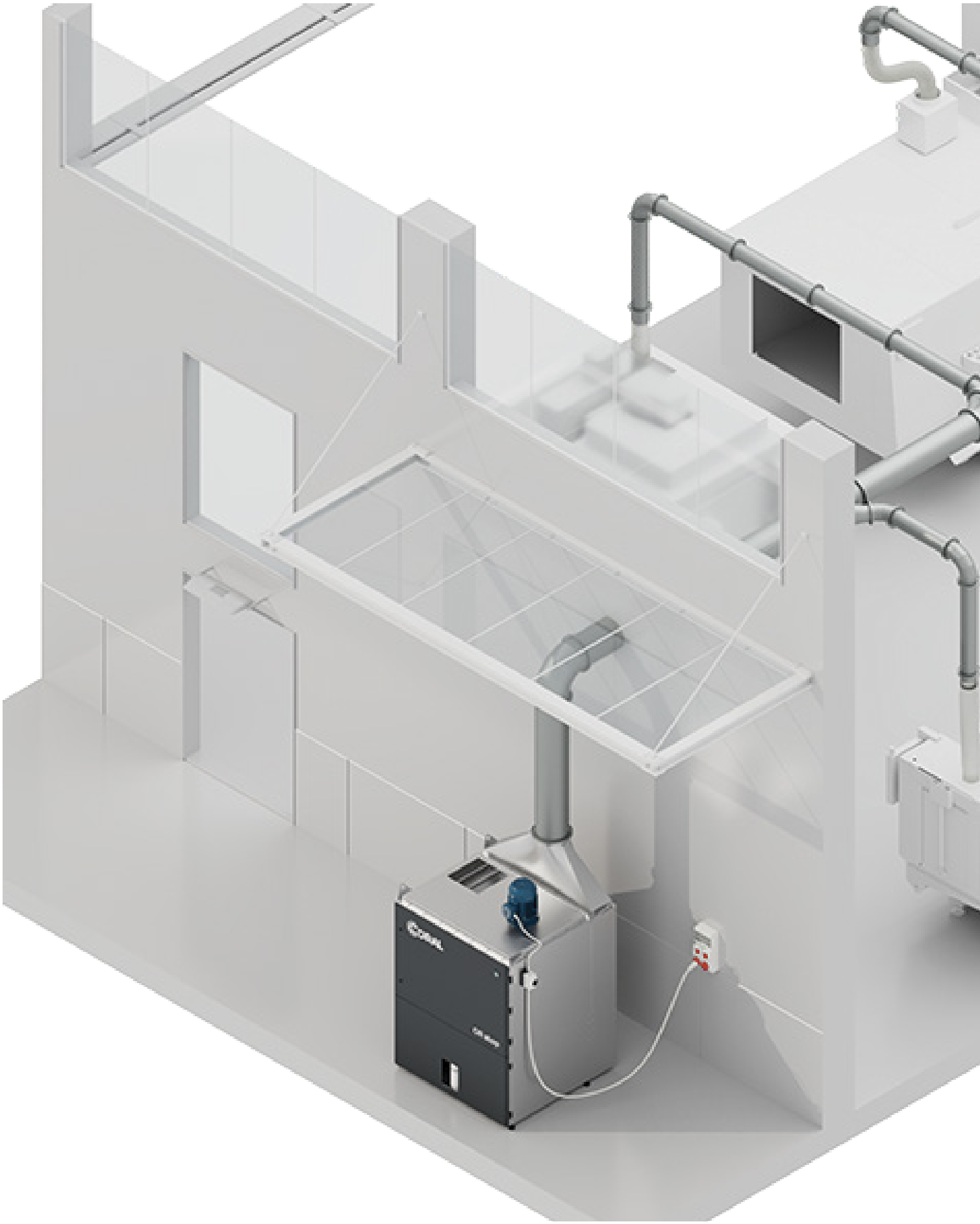
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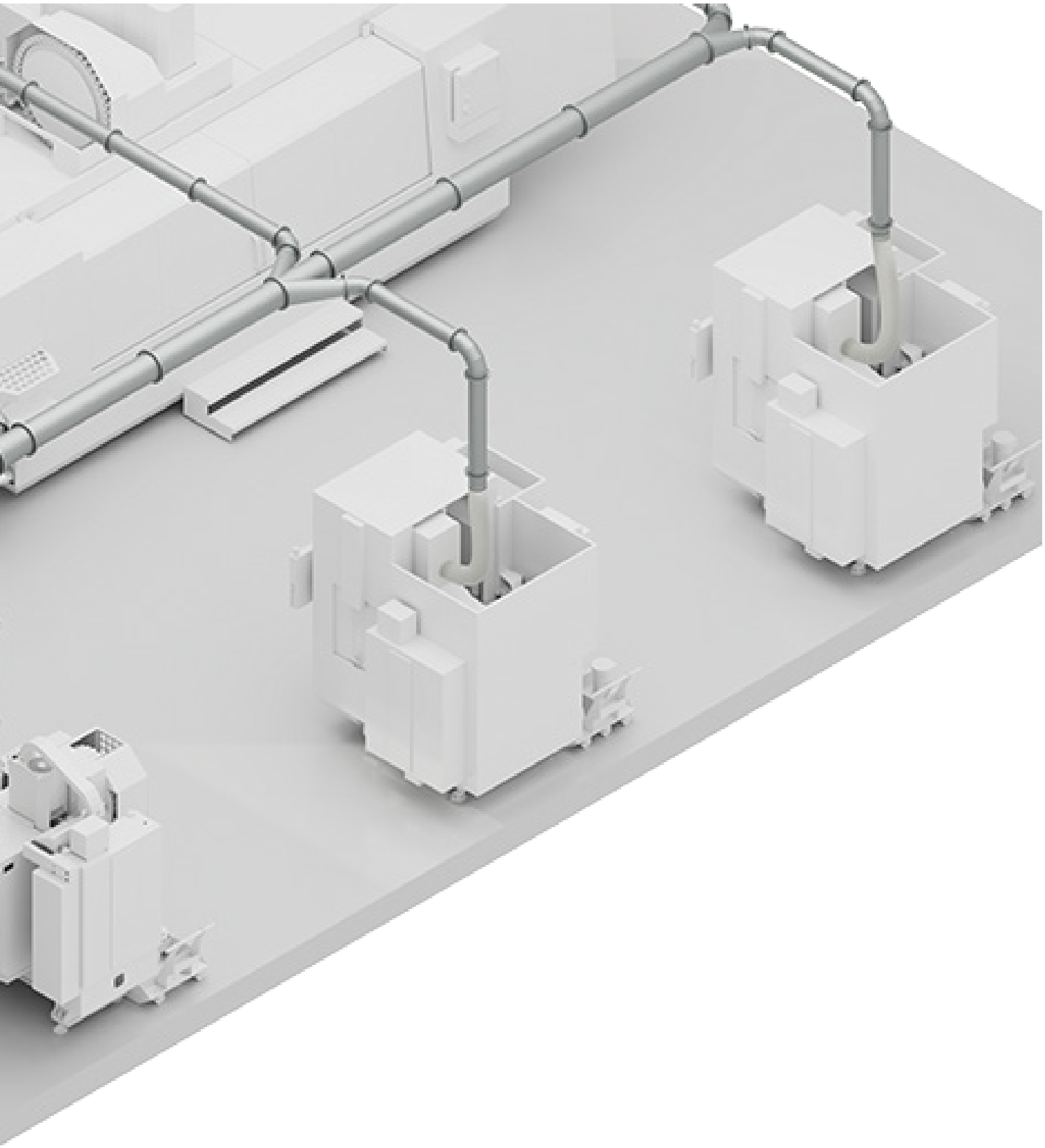



| MODEL | PLATFORM N. | DIMENSIONS (in) AxBxH | WEIGHT (lb) |
|---|---|---|---|
| Oil stop **1 |R 1 |RH 1** | 1 | 48 x 32 x 83 | 397 |
| Oil stop **2 |R 2 |RH 2** | 1 | 48 x 32 x 83 | 397 |
| Oil stop **4 |R 4 |RH 4 |RHT 2** | 1 | 59 x 32 x 83 | 794 |
| Oil stop **6 |R 6 |RH 6 |RHT 4** | 1 | 61 x 46 x 91 | 1147 |
| Oil stop **8 |R 8 |RH 8 |RHT 6** | 1 | 61 x 59 x 95 | 1125 |
| Oil stop **RHT 8** | 2 | 59 x 48 x 95 | 1544 |

| MODEL Soundproof plenum | PLATFORM N. | DIMENSIONS (in) AxBxH | WEIGHT (lb) |
|---|---|---|---|
| Oil stop **1 |R 1 |RH 1** | 1 | 32 x 32 x 28 | 89 |
| Oil stop **2 |R 2 |RH 2** | 1 | 32 x 32 x 28 | 89 |
| Oil stop **4 |R 4 |RH 4 |RHT 2** | 1 | 48 x 32 x 28 | 133 |
| Oil stop **6 |R 6 |RH 6 |RHT 4** | 1 | 44 x 44 x 28 | 177 |
| Oil stop **8 |R 8 |RH 8 |RHT 6** | 1 | 591 x 44 x 28 | 221 |
| Oil stop **RHT 8** | 2 | 48 x 48 x 32 | 441 |

All images and values on this catalogue are indicative and can be subject to modification and improvements. CORAL USA reserves the right to change them without previous advice.







# Coral USA

Coral USA provides innovative fume extraction and dust collection solutions for industrial applications.
With decades of experience, Coral combines technical expertise, reliable performance, and a strong commitment to helping you maintain a safer, cleaner, and more productive workplace.

Based in Texas, we're ready to support your business with advanced solutions, responsive service, and ready-to-ship inventory.

CORAL
Innovative Air Solutions USA

**CORAL USA CORP.**
19121 Marketplace Avenue, Bldg. 1 Suite 165
KYLE, TX 78640,
USA

**p.:** +1 480 796 5352
**e.:** info@coralusa.com

**coralusa.com**

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For a cleaner future.

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