

Oil stop M

Extraction and filtration unit for oil mist exhaust



Oil stop M

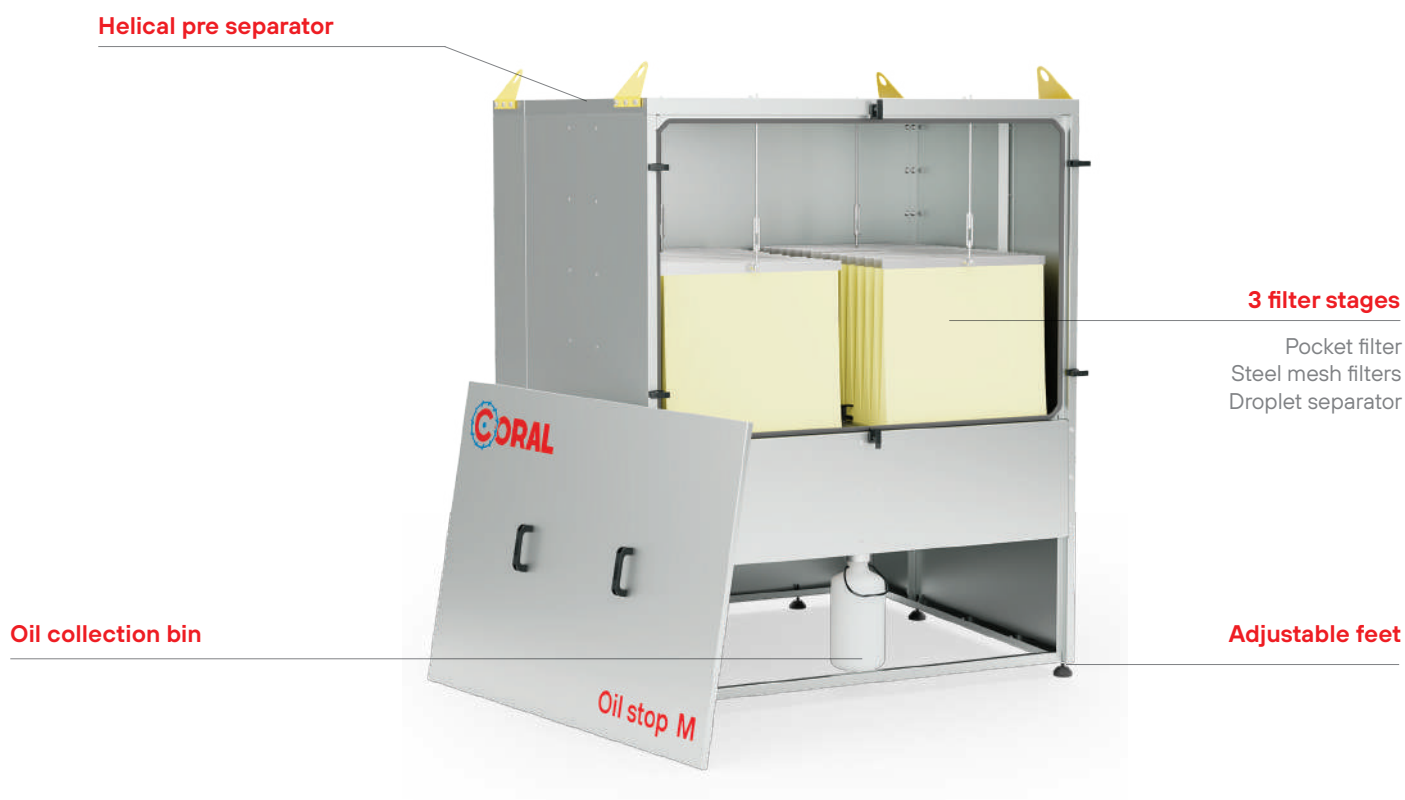
- Oil stop **M** 2-3-4-5-6-7
- Oil stop **MR** 2-3-4-5-6-7
- Oil stop **MRH** 2-3-4-5-6-7
- Oil stop **MRHT** 2-3-4-5-6-7

Design

The **Oil Stop Modular** filtration unit is perfect for suction and filtration of oil mist. It is equipped with a helical centrifugal pre-separator, droplet separator, steel mesh filter and finally pocket filters that guarantee maximum air purification with recovery of the collected oil.

Oil stop M

18 Models



Highlights

- **Maximum efficiency** thanks to high-quality filter materials, for filtration up to 99.95%.
- The **helical centrifugal pre-separator** (Coral patented) ensures greater durability of all filter media and reduces maintenance costs.

- **Modular**, adaptable to numerous production requirements.

Applications

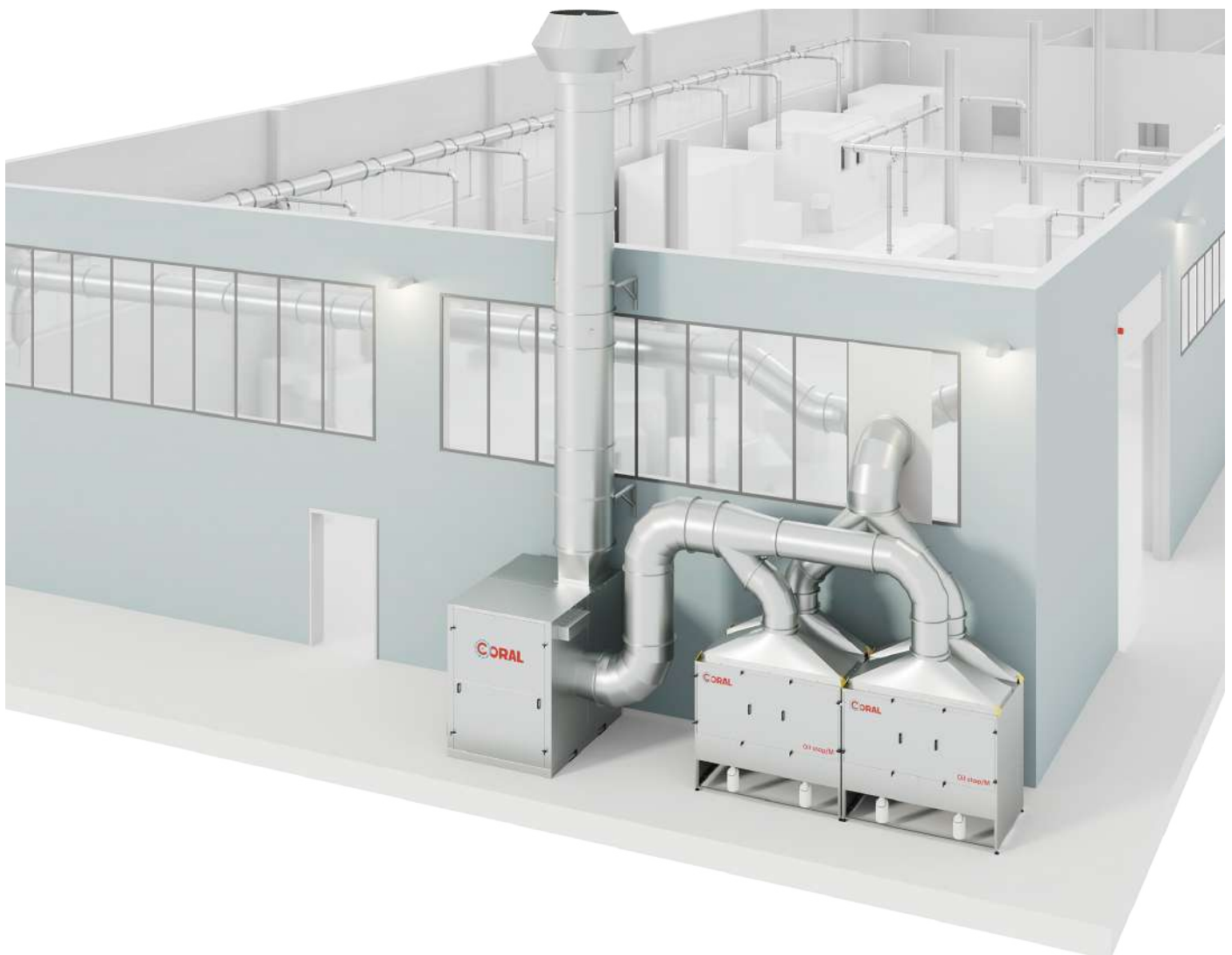


Oil Mist

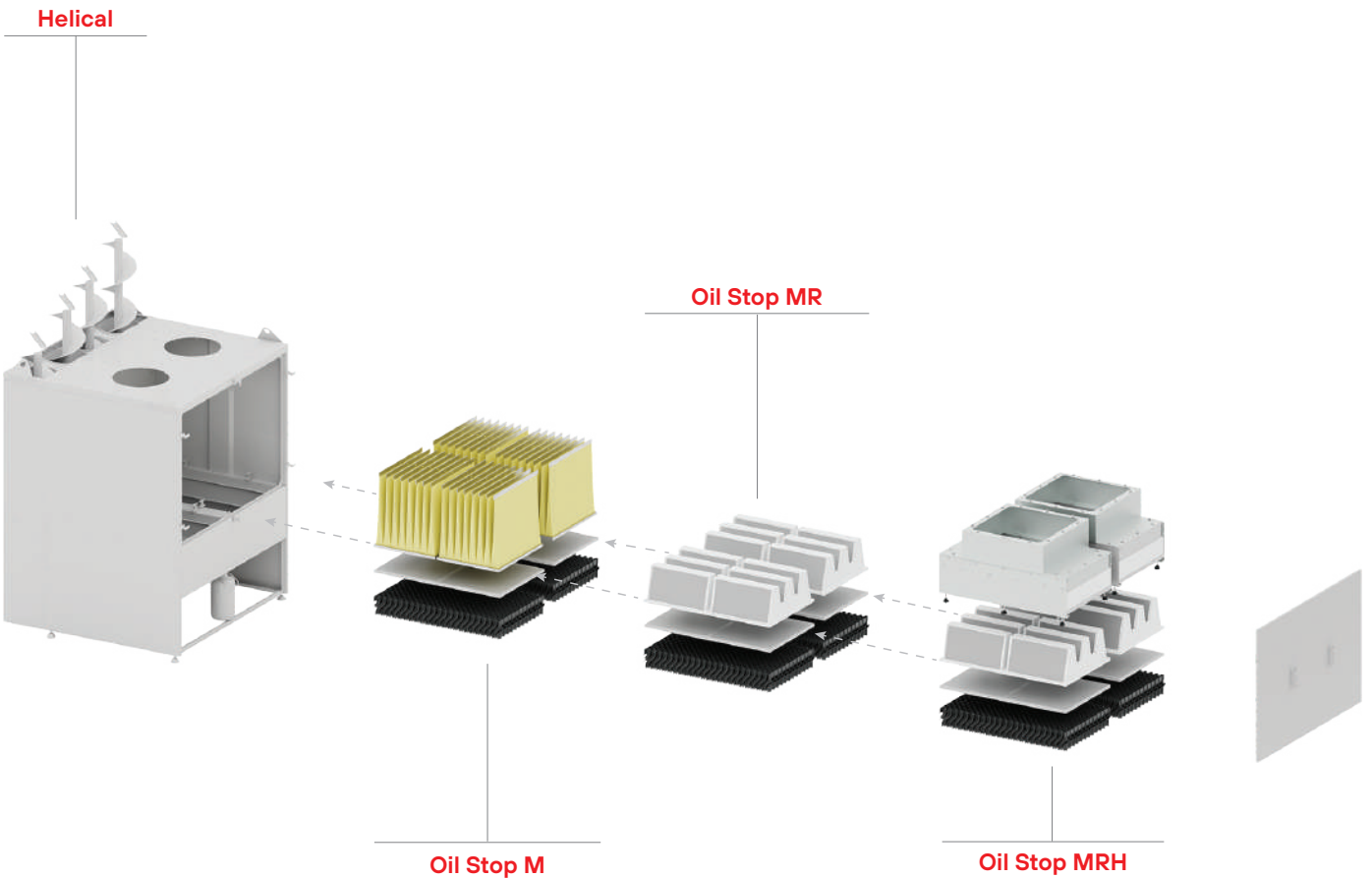
Clean air solutions

Oil Stop M filters are designed to effectively remove oil mist and fumes in various industrial contexts, from mechanical to food processing. They are suitable for machinery such as lathes, CNC, grinders, presses and also for food processing plants with vegetable oil nebulization.

Made with high-efficiency materials (G2 pre-filter and F9 main filter), they offer filtration up to 95%, with the possibility of reaching 99.95% thanks to an HEPA H13 filter.



Filtration technology

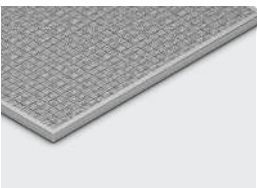


Filter Media

MEDIA	MATERIALS	OIL STOP M	OIL STOP MR	OIL STOP MRH
	Helical centrifugal pre-separator	■	■	■
	Droplet separator	■	■	■
(EN 779) G2	Steel mesh filters	■	■	■
(EN 779) F9	Pocket filter	■		
(EN779) F9	Rigid pocket filter		■	■
(EN 779) H13	HEPA H13 filter			■



Droplet separator



Steel mesh filters



Pocket filter



Rigid pocket filter



HEPA H13 filter

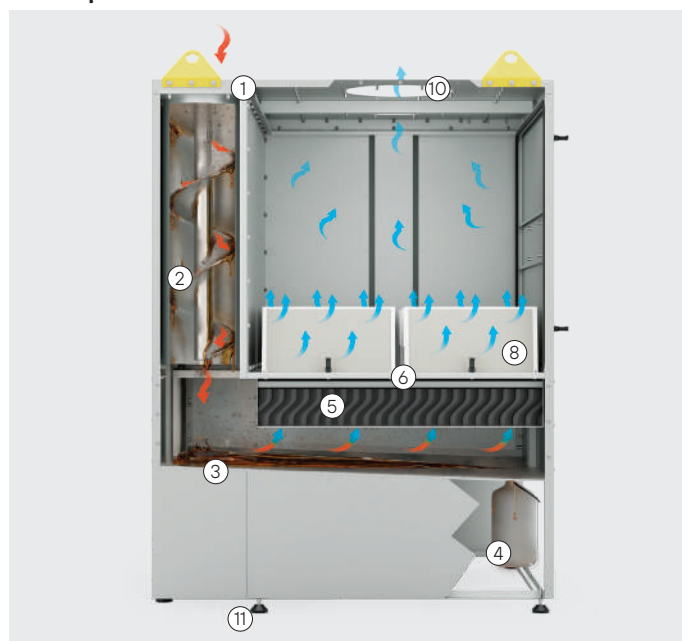
Principle of operation

Oil mist polluted air enters the unit through the dedicated inlet and is directed into the centrifugal separator, where the airflow gets twisted. The centrifugal force pushes oil droplets towards the walls of the duct, where they separate from the flow and descend into the discharge hopper, to then be collected in a container. The air, free from the largest particles, passes through a droplet separator that retains the residual droplets. Then it continues through the steel mesh pre-filter, which functions to block further impurities and prepare the air for fine filtration. The air goes on through a pocket filter, with a high filtration surface area, which allows even the finest oily particles to be eliminated. In **Oil Stop MR** versions, this function is performed by a rigid pocket filter, with greater mechanical and filtration efficiency. The filtered air is exhausted from the unit through the upper outlet, ready to be reintroduced into the environment. Finally, in the **Oil Stop MRH** version, the air is further purified by an absolute HEPA H13 filter, capable of retaining even the finest oil mist and vapors, ensuring an extremely high level of filtration.

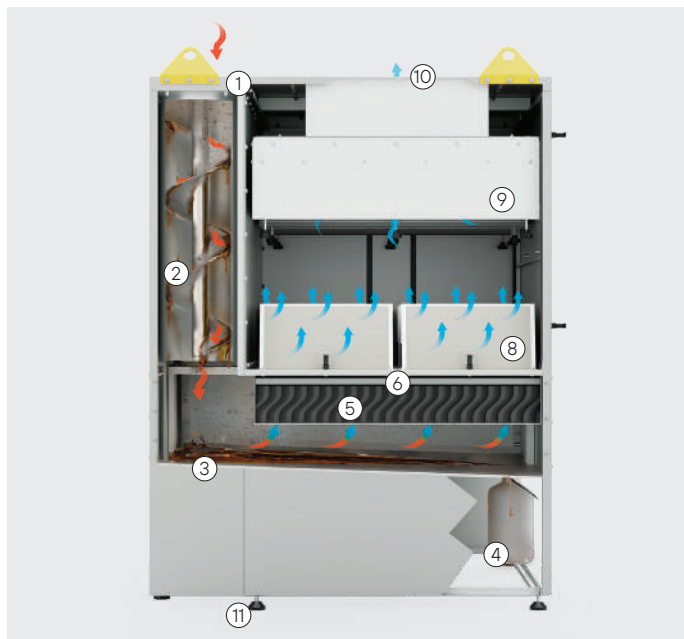
Oil Stop M



Oil Stop MR



Oil Stop MRH



- ① Oily fog entrance
- ② Centrifugal separator helical
- ③ Oil drain hopper
- ④ Oil collection bin
- ⑤ Drop Separator
- ⑥ Metal straw pre-filter
- ⑦ Pocket filter
- ⑧ Rigid pocket filter
- ⑨ HEPA filter 13
- ⑩ Filtered air outlet
- ⑪ Level adjustment feet

Product range

Modular version of the **Oil Stop** filter range, suitable for systematic removal of oil mist/particles from the atmosphere. It allows significant savings thanks to the collection of sprinkled oil, which can be reused.



OIL STOP M

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



OIL STOP MR

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



OIL STOP MRH

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

Technical features

Technical features		MODEL OIL STOP M											
		2			3			4			5		
		M	MR	MRH	M	MR	MRH	M	MR	MRH	M	MR	MRH
Maximum capacity	m³/h	8000			12000			16000			20000		
Filtration efficiency	%	95	99.95		95	99.95		95	99.95		95	99.95	
Loss of load	mmH ₂ O	40	65		40	65		40	65		40	65	
Total weight	kg	400			600			800			1000		



Standard Components

Oil Stop M | MR | MRH



Adjustable feet

Oil Stop M | MR | MRH



Oil collection bin

Options

Oil Stop M | MR | MRH



Inlet fitting

Oil Stop M | MR | MRH



Inlet fitting

Oil Stop M | MR | MRH



Differential pressure switch with free contact for filter clogging signal

Oil Stop M | MR | MRH



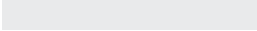
Differential pressure gauge

Oil Stop M | MR | MRH



Siphon for continuous discharge

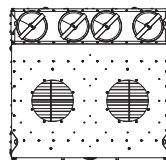
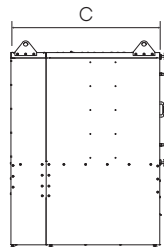
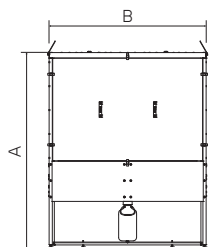
Oil Stop M | MR | MRH



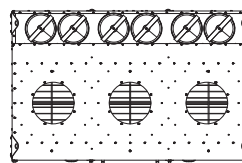
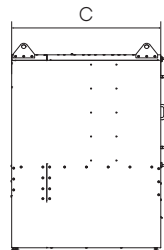
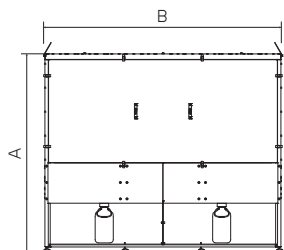
Painting

Overall dimensions

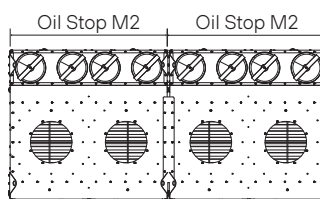
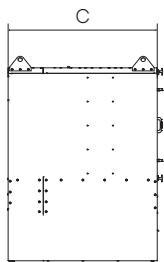
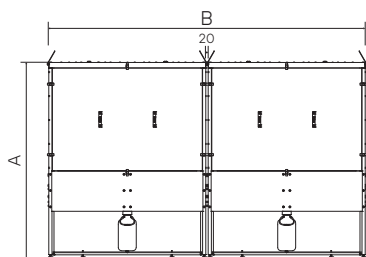
OIL STOP M 2 | MR 2 | MRH 2



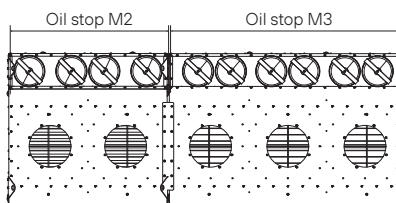
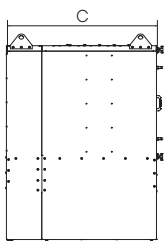
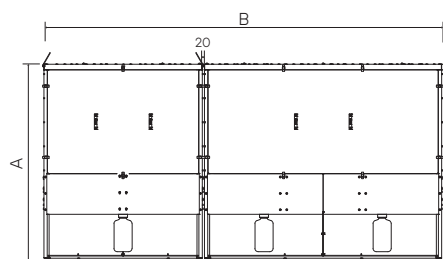
OIL STOP M 3 | MR 3 | MRH 3



OIL STOP M 4 | MR 4 | MRH 4

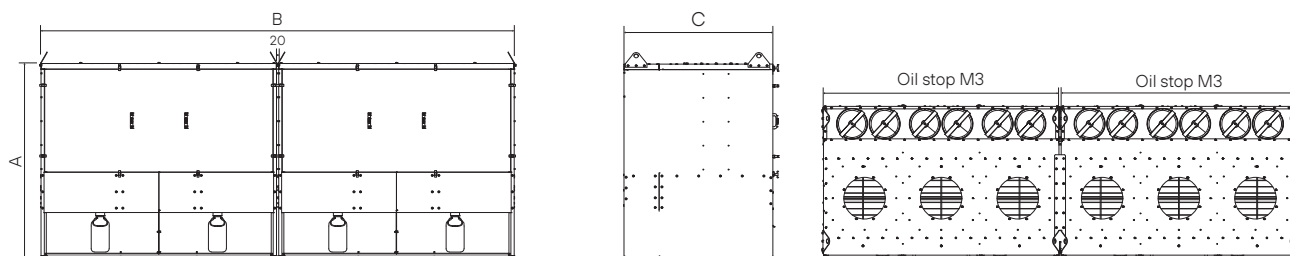


OIL STOP M 5 | MR 5 | MRH 5

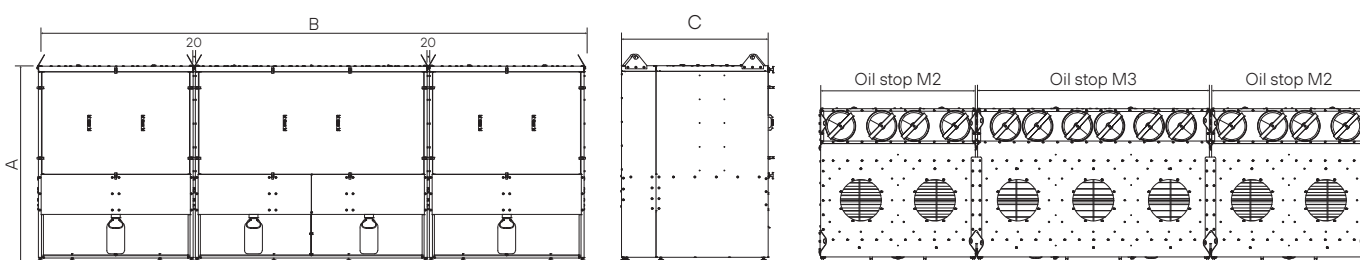


Overall dimensions

OIL STOP M 6 | MR 6 | MRH 6



OIL STOP M 7 | MR 7 | MRH 7



MODEL	DIMENSIONS (MM)		
	A	B	C
Oil Stop M 2 MR 2 MRH 2	1770	1445	1370
Oil Stop M 3 MR 3 MRH 3	1770	2165	1370
Oil Stop M 4 MR 4 MRH 4	1770	2910	1370
Oil Stop M 5 MR 5 MRH 5	1770	3630	1370
Oil Stop M 6 MR 6 MRH 6	1770	4350	1370
Oil Stop M 7 MR 7 MRH 7	1770	5095	1370

Packaging information



MODEL	PLATFORM	DIMENSIONS (MM) AXBXH	WEIGHT (KG)
	N°		
Oil Stop M 2 MR 2 MRH 2	1	1550 x 1500 x 2100	370
Oil Stop M 3 MR 3 MRH 3	1	2250 x 1500 x 2100	515
Oil Stop M 4 MR 4 MRH 4	2	1550 x 1500 x 2100	370
Oil Stop M 5 MR 5 MRH 5	2	2250 x 1500 x 2100	515
Oil Stop M 6 MR 6 MRH 6	2	2250 x 1500 x 2100	515
Oil Stop M 7 MR 7 MRH 7	3	1550 x 1500 x 2100	370

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

Gallery



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Made in Coral

Coral produces 100% of the components of an industrial air intake and filtration system in the Volpiano plant, on the outskirts of Turin. The quality of the materials used and our experience in the sector guarantee a pHigh-level production for everything we make.

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