



Oil STOP

Filter unit for oil mist



Oil STOP



APPLICATIONS

MACHINE TOOLS:

multiple machining lathes, CNC, threading machines, gear cutting machines, grinding machines, cold pressing machines, etc.

FOOD INDUSTRY:

vegetable oil fog spraying machines, alimentary paste machines, etc.

OTHER APPLICATIONS:

turbines, compressors, pumps, nebulizers etc.

BENEFITS

- **MAXIMUM EFFICIENCY**

The filtering media class G2 (pre filter) and F9 (main filter) used in the OIL STOP construction, perform a very high filtration level of 99%, with peak up to 99,95% with (Optional) HEPA filter (H13).

- **QUIET OPERATION**

Due to the layout of its filters, their remarkable absorbing power and the special streamline, the OIL STOP can be used in any environment without causing acoustic pollution. Where very low noise levels are required, optional AFON model silencers or soundproofed fan box can be supplied.



Oil stop 2



Oil stop/h 2

OPERATING PROCEDURE

Contaminated air with heavy oil mist from the machine application enters the OIL STOP and passes through the first stage centrifugal/mechanical separating chamber, which is comprised of a helical system and a metal screen.

The centrifugal inlet chamber has the same cross section as the intake opening thereby reducing the possibility of pressure drop.

Due to the centrifugal force created by the airspeed inside the centrifugal separator, the heavy mist impacts the helical insert and separates from the air.

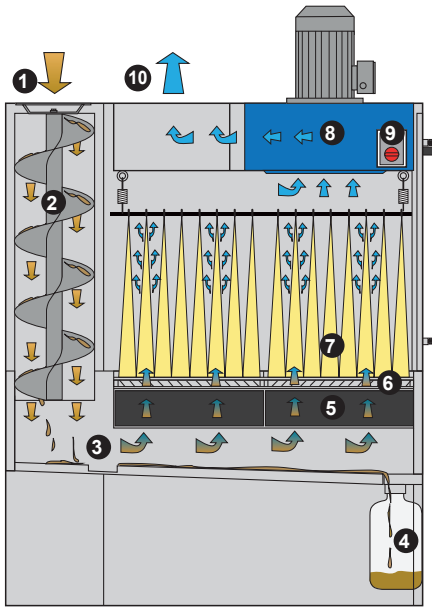
The screen in the chamber prevents from re-entering the air flow, and drives it to slide along the walls of the chamber and fall below by gravity, onto the oil collection hopper. Oil is then collected in a small tank and recycled if required.

A large portion of the oil droplets in suspension at this point have been separated, and the air now passes through the drop separator (Optional) and the wire metal mesh pre-filter.

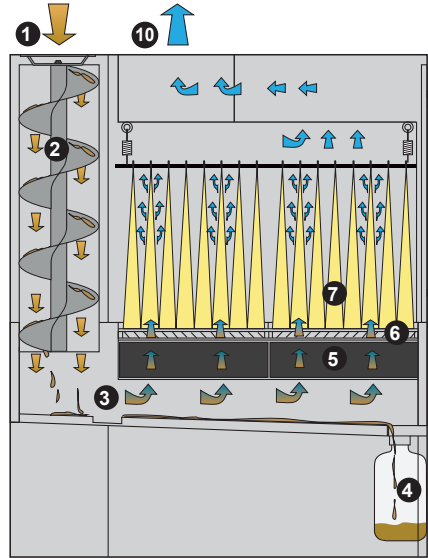
Due to the efficient operation of these three levels of filtration, all oil mist has been removed from the air stream.

To further remove any possible remaining impurities, like micro mists and oil vapors/fumes, the air passes through a high efficiency pleated filter, which is made of fumes ultra fine glass fiber filtering material and finally crossing the (Optional) HEPA filter (OIL STOP/H model). The air is finally exhausted through the discharge grate located on the top of the OIL STOP.

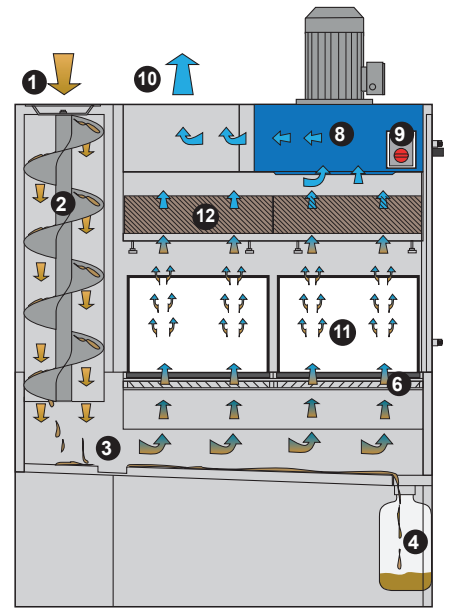
OIL STOP





OIL STOP/S



OIL STOP/H



 Clean air outlet

 Oil mist inlet

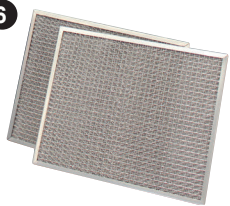


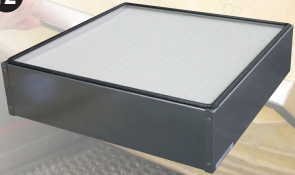
- 1 POLLUTED AIR INLET
- 2 CENTRIFUGAL SEPARATOR
- 3 OIL DRAIN HOPPER
- 4 OIL COLLECTING TANK

- 5 DROP SEPARATOR (OPTIONAL)



- 6 WIRE MESH METAL PREFILTER
- 7 POCKET FILTER
- 8 FAN
- 9 CE RULES THERMAL SWITCH

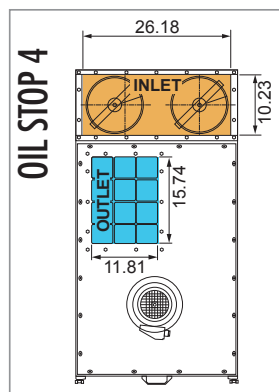
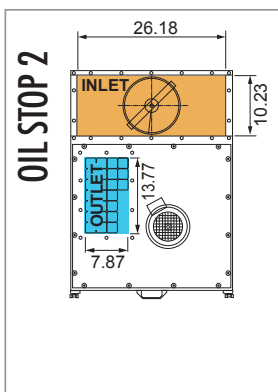
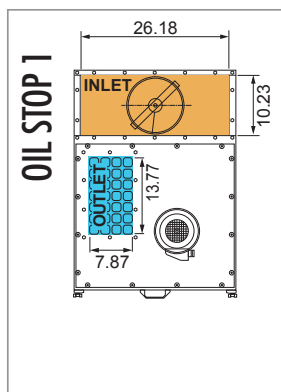
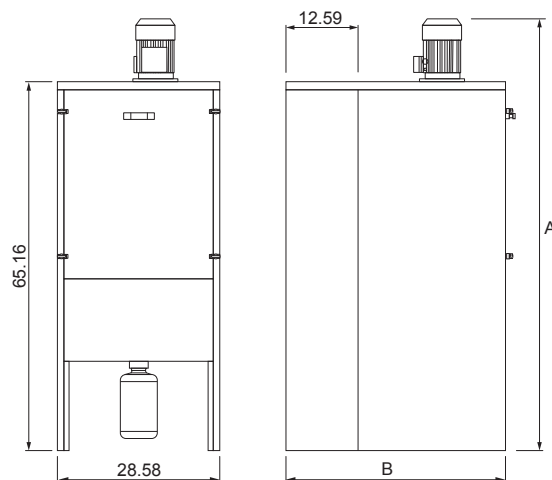
- 10 CLEAN AIR OUTLET
- 11 RIGID POCKET FILTER
- 12 HEPA FILTER (OPTIONAL)

	PREFILTER	POCKET FILTER	RIGID POCKET FILTER	HEPA FILTER
				
Type of filtering fabric	Aluminium wire mesh	Glass microfibre	Glass microfibre	Glass microfibre
Classification	G2	F9	F9	H13
Filtering efficiency [%]	65%	95%	95%	99,95%



Oil stop

TECHNICAL FEATURES



	A	B
OILSTOP 1	74.48 inch	40.23 inch
OILSTOP 2	76.22 inch	40.23 inch
OILSTOP 4	77.55 inch	55.59 inch

	OIL STOP			OIL STOP/NS	OIL STOP/S	OIL STOP/H		
	1	2	4	2		1	2	4
Max delivery	776 CFM	1383 CFM	2124 CFM	1177 CFM	-	588 CFM	1059 CFM	1765 CFM
Power	0,75 kW 1 HP	1,5 kW 2 HP	3 kW 4 HP	1,5 kW 2 HP	-	0,75 kW 1 HP	1,5 kW 2 HP	3 kW 4 HP
Fan voltage	220/440 V 3 Ph 60 Hz			220/440 V 3 Ph 60 Hz	-	220/440 V 3 Ph 60 Hz		
R.P.M	2800	2800	2800	2800	-	2800	2800	2800
Gross Weight	352 lbs	424 lbs	540 lbs			363 lbs	429 lbs	551 lbs
Filtering efficiency	99 %	99 %	99 %	99 %	99 %	99,95%	99,95%	99,95%
Collection tank capacity	5 l.	5 l.	5 l.	5 l.	5 l.	5 l.	5 l.	5 l.
Sound level db(A)	74	76	83	75	-	74	76	83
Sound level with plenum db(A)	72	74	80	73	-	72	74	80



FOR INLET AND OUTLET CONNECTION CONSULT OUR TECHNICAL DEPARTMENT.

OPTIONAL:

1. EVOLUTION NO-SMOKE 3.0- Ø150 SUCTION ARM
Only for **OIL STOP 2**
2. WHEELS KIT
3. ATEX MOTOR
4. COOLANT TRAP FOR CONTINUOUS DISCHARGE
5. SILENCERS
6. AIR DIFFUSER
7. SOUNDPROOFED FAN PLENUM WITH NET
8. SOUNDPROOFED FAN PLENUM WITH CHARCOAL
9. DROP SEPARATOR
10. PRESSURE SWITCH FOR FILTER CLOGGING ALARM ON CONTROL BOARD
11. INLET CONNECTION
12. OUTLET CONNECTION





ANTIPOLLUTION SYSTEMS

Coral is known worldwide as a leader in antipollution products and systems and has been in business for over 60 years. Coral introduced and has been manufacturing the **Oil Stop** for over 35 years.

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