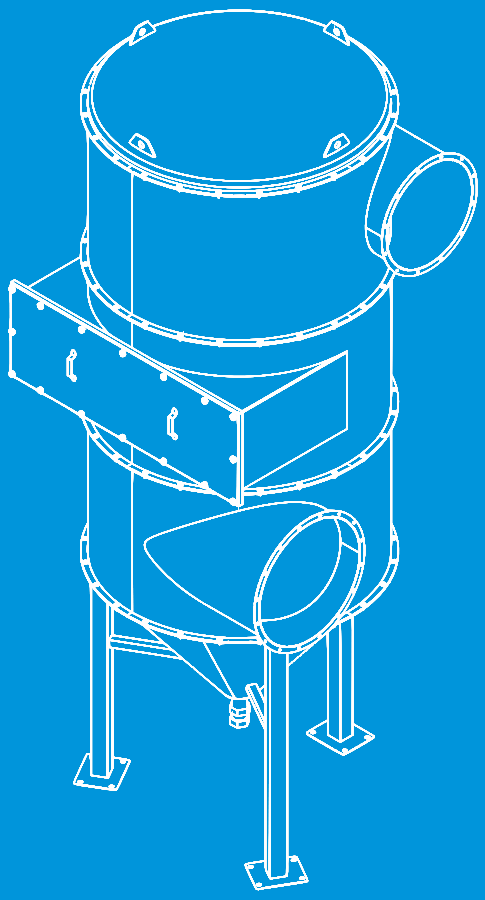
SNEB

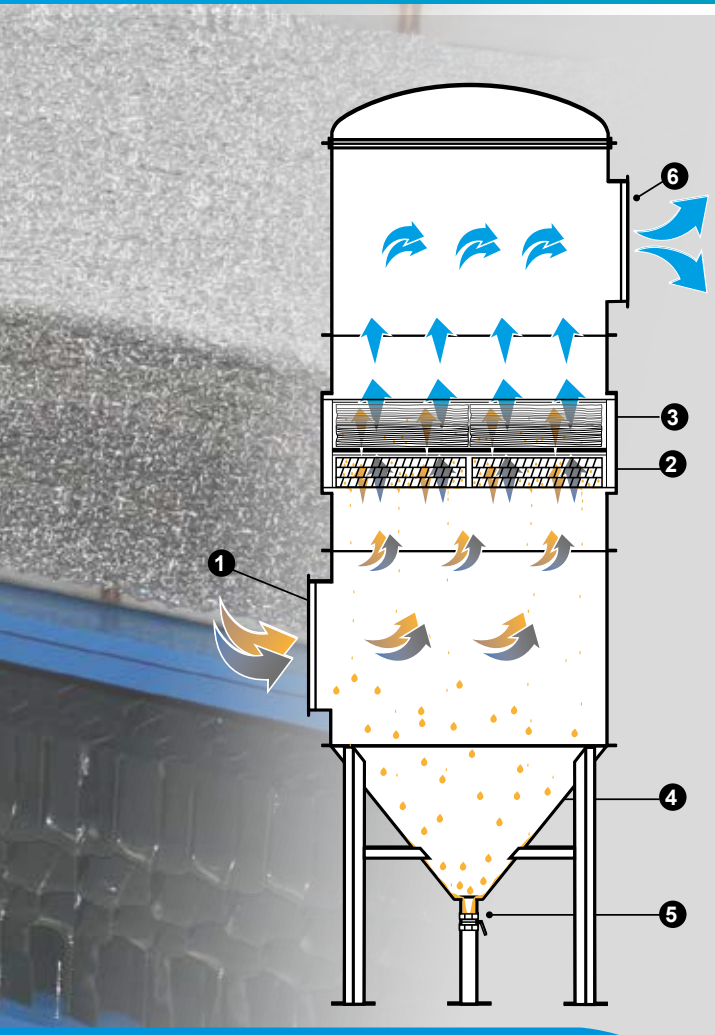
Filter unit for oil mist



60th 1958 - 2018 CORAL ANTIPOLLUTION SYSTEMS ANNIVERSARY

SNEB

OPERATING PROCEDURE



EN

1 *Polluted air inlet*
2 *Drip separator*
3 *Filtri in rete metallica "DEMISTER"*
4 *Oil drain hopper*
5 *Waste valve*
6 *Filtered air outlet*

Oil mist inlet *Clean air outlet* *Oil*

When an airborne mixture impregnated with polluting liquid (oil and emulsions, hydrocarbons, glycol solutions, ammonia, etc.) crosses the separator, the gassy part moves freely through the drip separator and the demister. The liquid drips, on the other hand, due to their greater inertia, cannot make sudden changes of direction and come into contact with the surface of the filter where they coalesce and are withheld. Gradually, as the drips penetrate inside the filter and are deposited on the wires of the filtering mesh, their size and weight additionally increase and they end up sliding, by gravity, towards the lower part of the separator. The separator is installed so that the gassy flow crosses the filtering unit vertically from the bottom up. Other installation systems may be adopted in particular situations.
The airborne mixture impregnated with polluting liquid enters through the lower hopper (A). By effect of the sudden decrease of speed and the action of the mechanical pre-separator, the larger drops are decanted and collected in the exhaust valve area.
The finer and lighter particles move up the body, where the filtering grids which capture them are arranged. The purified air is let out through outlet B. The grids may need to be cleaned periodically due to the progressive deposit of polluting liquid: when the suction system stops, a jet of water reverse-washes the grids according to a timed sequence. The cleaning system is optional.

Re-introduction of filtered air into the environment is not recommended. The unit is designed to work under vacuum.

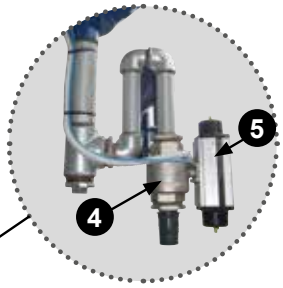
SNEB

SNEB

APPLICATIONS

OPTIONAL

1 Electrical panel for post water cleaning
2 Leg extension (height .....)
3 Cistern for waste liquid
4 Drain trap
5 Solenoid valve for controlled discharge
6 Cleaning in backwashing with filter water paused
7 Firefighting system
(only for applications with whole oils) !

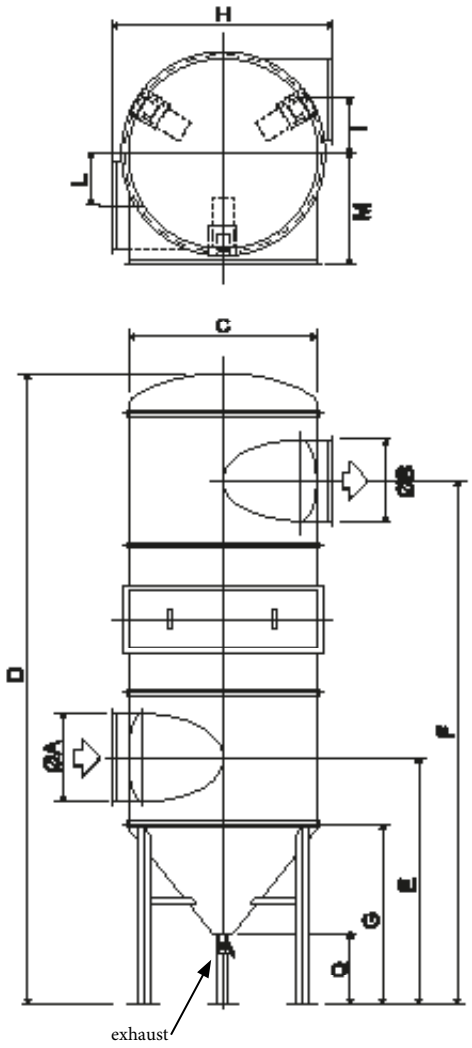


Charcoal filter unit KARB

OPTIONALS

SNEB

TECHNICAL FEATURES

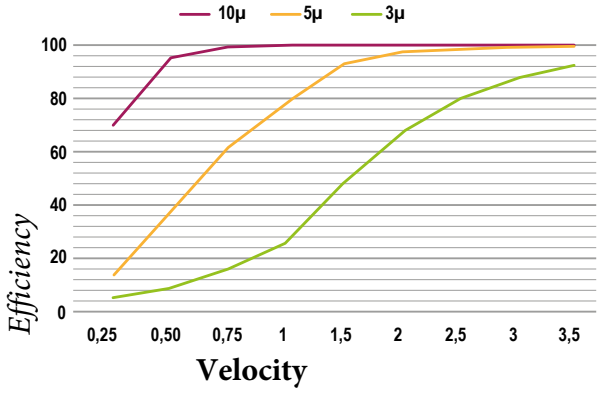


	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M mm	Q mm
SNEB 60	1000	4410	1530	3430	1080	1200	290	260	600	1000
SNEB 80	1200	4240	1630	3530	1180	1400	360	325	700	1200
SNEB 100	1300	4310	1680	3580	1230	1500	375	350	750	1300
SNEB 120	1500	4460	1780	3680	1330	1700	450	410	850	1500
SNEB 140	1600	4930	1930	4030	1380	1800	485	425	900	1600
SNEB 160	1700	5000	1980	4080	1430	1900	510	450	950	1700
SNEB 180	1800	5070	2030	4130	1480	2000	525	475	1000	1800
SNEB 200	1900	5150	2080	4180	1530	2100	575	500	1050	1900
SNEB 300	2400									2400

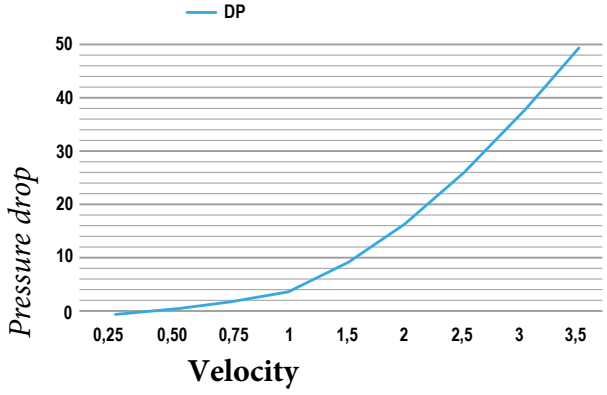
	Discharge diameter Ø	*Inlet* ØA mm	*Outlet* ØB mm
SNEB 60	2"	480	420
SNEB 80		550	480
SNEB 100		600	550
SNEB 120		680	600
SNEB 140	3"	750	630
SNEB 160		800	680
SNEB 180		850	750
SNEB 200		900	750
SNEB 300			

	Delivery (m^3/h)	*Weight* (Kg)
SNEB 60	6000	490
SNEB 80	8000	560
SNEB 100	10000	630
SNEB 120	12000	840
SNEB 140	14000	950
SNEB 160	16000	1100
SNEB 180	18000	..
SNEB 200	20000	1390
SNEB 300	30000	2120

Efficiency in function of velocity and droplet size



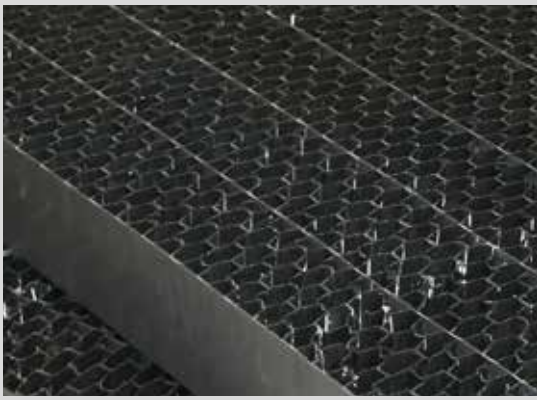
Pressure drop in function of velocity



Filter technical specifications

1 Drip Separator

Description	100% polyvinylchloride (PVC)
Size	corresponding ilter diameter: thickness 130 mm
Maximum working temperature:	50° C
Maximum temperature:	60° C



2 DEMISTER

Description	100% ..... stainless steel meshes *
Lower layer	style 380; thickness 100 mm
Upper layer:	style 415 CD; thickness 150 mm
Grids	thickness 50 mm
Size	corresponding ilter diameter: total thickness 300 mm

* **OPTIONAL**

AISI 304 stainless steel meshes

MEGACAP (M) SDN BHD (199001000625) (192183-T)
Lot 7793 Jalan Batu Tiga, Bukit Cherakah, 40150 Shah Alam, Selangor, Malaysia
H/P: +6019 332 1577 Philip Yong
Email: philipmegacap@gmail.com
Website : www.megacap.com.my

☎ +603-7847 5990 Fax +603-78475992

www.coral.eu