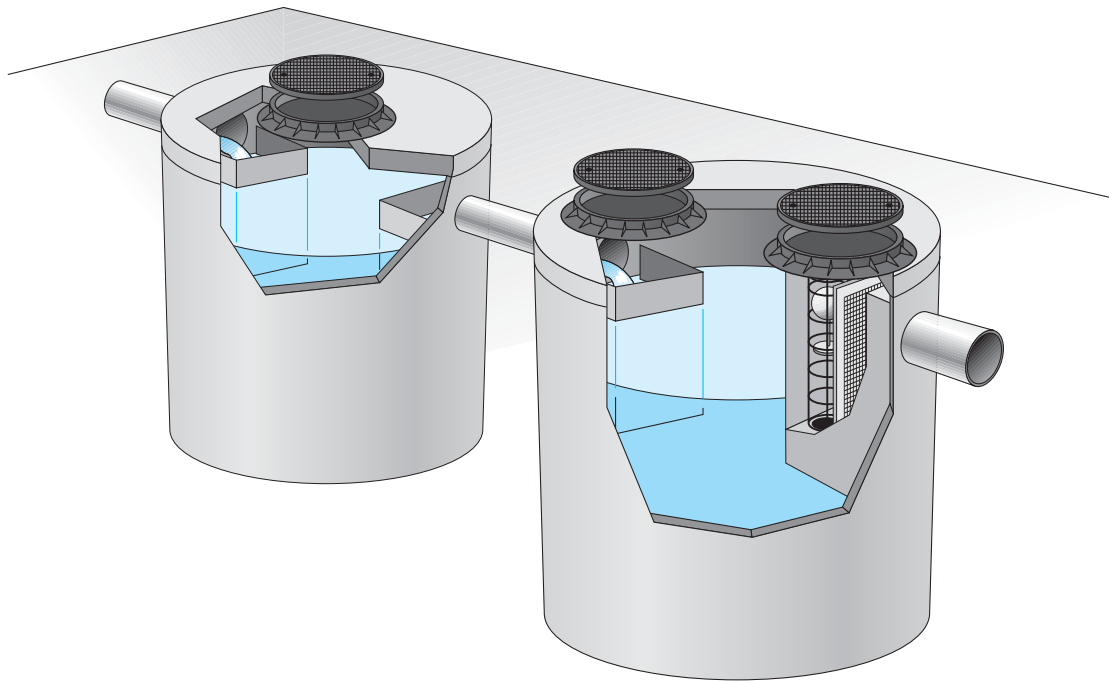


MINERAL OILS SEPARATORS FOR INDOOR PARKING GARAGES

SA/C series



WHAT MINERAL OILS SEPARATORS FOR INDOOR PARKING GARAGES SA/C SERIES ARE

Prefabricated mineral oils separators type EURO MEC SA/C series are dimensioned according to the DIN 1999 regulations in compliance with the acceptance parameters of the Directive 91/271/CEE for the discharge into public sewers or superficial water regarding the fluctuating substances and sedimentable solids. These separators are used to deplete water coming from the washes of indoor parking garages floorings (silos), which are mainly polluted by accidental losses of mineral oils, sand and mud from the parked cars.

Prefabricated mineral oils separators type EURO MEC SA/C series are composed of highly resistant reinforced concrete circular tanks with flat bottom for the two distinct sections: sand separation and oil separation.

The cover is carriageable and complete with D400 cast iron inspection manholes.

Prefabricated mineral oils separators type EURO MEC SA/C series used for the treatment of sewage water discharge into surface water (in compliance with the Directive 91/271/CEE) are completed with a coalescence filter separating also the suspended oil microparticles.

Prefabricated mineral oils separators type EURO MEC SA/C series are equipped also with a floating obstructor in order to avoid oil spilling when the collection chamber is completely full.

HOW MINERAL OILS SEPARATORS FOR INDOOR PARKING GARAGES SA/C SERIES WORK

The water coming from the lawful hydrants for the floorings washes is conveyed to a specific zone and introduced into the separator for its treatment before being sent to the final collector.

As soon as it comes to the separator water starts its treatment into the sand separation or sludge separation section for an optimal

time allowing the separation of the sedimentable substances. The pre-treated water is therefore sent through the oil separation section in which it undergoes a light substances fluctuation process, which conveys such substances into a collection chamber once they reach the surface.

For the discharge water having to comply with the acceptance limits of the Directive 91/271/CEE, there is the addition of a coalescence filter, a system allowing the microparticles adherence to a particular coalescent material (absorption effect) therefore increasing their dimensions (coalescence effect) and favouring their fluctuation to surface.

The separator discharge is automatically shut by a floating obstructor preventing oil spilling when the latter reaches a certain level in the collection chamber.

USED MATERIALS

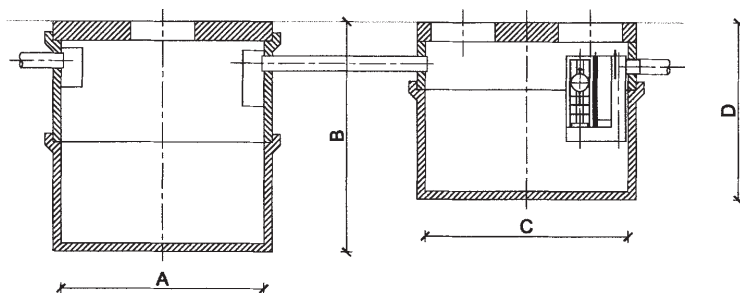
Tanks	:	highly resistant vibrated reinforced concrete
Shafts	:	Cast iron D400
Internal carpentry	:	AISI 304 stainless steel

SPECIFICATION

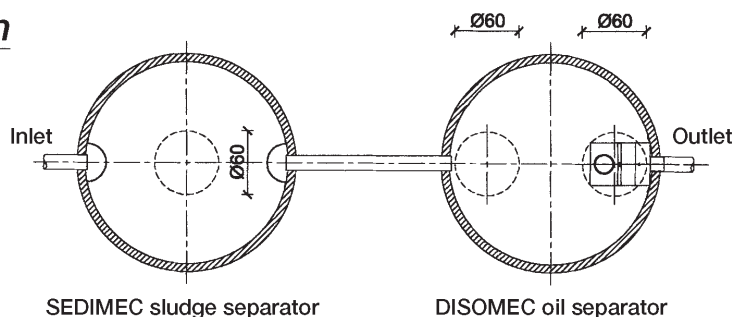
"Supply of a separator type EURO MEC SA/C series dimensioned according to the DIN 1999 prescriptions, prefabricated for the treatment of water coming from the washes of indoor parking garages floorings (silos), made of highly resistant reinforced concrete, divided into two sections: sand separation and oil separation, complete with stainless steel deflectors, coalescence filter, floating obstructor, carriageable cover for heavy loads and D400 cast iron inspection manholes."

STANDARD PRODUCTION

Section



Plan



PROJECT DATA:

Surface for each car
 Max. mineral oil pollution at the inlet
 Depuration efficiency
 Max. mineral oil pollution at the outlet

DICHARGE INTO DRAINAGE SYSTEM

$s = 25 \text{ mq}$
 $E = 125 \text{ mg/l}$
 $n = 92\%$
 $D = 10 \text{ mg/l}$

DISCHARGE INTO SUPERFICIAL WATER

$s = 25 \text{ mq}$
 $E = 125 \text{ mg/l}$
 $n = 97\%$
 $D = 5 \text{ mg/l}$

DESCRIPTION	MEASURE UNIT	MODEL									
		SA/C NG 4	SA/C NG 6	SA/C NG 8	SA/C NG 10	SA/C NG 15	SA/C NG 20	SA/C NG 30	SA/C NG 40	SA/C NG 50	
Nominal flow rate	l/s	4,00	6,00	8,00	10,00	15,00	20,00	30,00	40,00	50,00	
Max. treated surface	mq	2000	3000	4000	5000	7500	10000	15000	20000	25000	
Max car n.	N.	80	120	200	200	300	400	600	800	1000	
Sand separator volume	l	1300	2100	3000	3000	5400	6500	6500	6500	10000	
Oil separator volume	l	990	2280	2280	2280	3700	3700	5300	6600	10000	
Oil collection volume	l	150	235	235	235	600	600	750	1300	2000	
Sand separator dimensions		(*)									
- diameter A	cm	-	140	150	150	200	200	200	200	250	
- height B	cm	-	175	218	268	229	279	279	279	285	
Oil separator dimensions		(*)									
- diameter C	cm	140	140	140	140	200	200	200	200	250	
- height D	cm	175	175	175	175	179	179	229	279	285	
Inlet/outlet piping diameter	mm	160	160	160	160	200	200	250	300	400	
Inlet level	cm	41	39	39	39	50	50	55	60	65	
Outlet level	cm	43	43	43	43	54	54	59	64	70	
Total weight	q.li	25	45	48	51	121	129	141	149	220	
Heaviest piece weight	q.li	25	25	25	25	30	30	30	30	90	

The above written data are given as information. The Society EURO MEC S.r.l. reserves the right to change them in every moment.

(*) Version integrated into a monobloc basin.