

SEPARATING TANKS

for oil, grease and floating solids

DESCRIPTION

Two-compartment separating tank

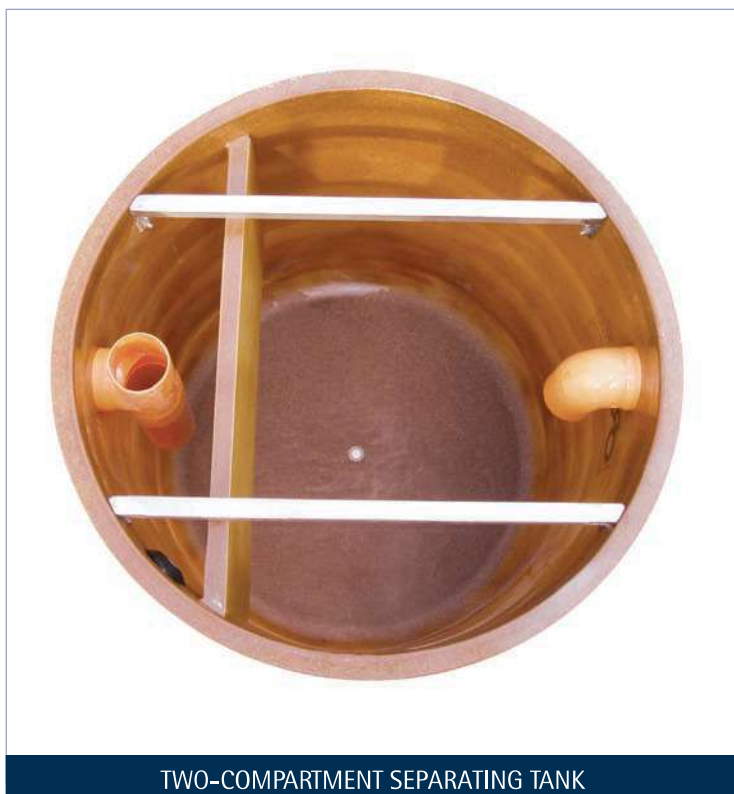
Separating tank for oil, grease and floating solids from wastewaters from drains of apartment block kitchens, restaurants and company canteens (no. ____ people / no. ____ meals). Manufactured as a cylindrical GRP tank (D____ H____), with a CLASS A15 (pedestrian traffic) or B125 (lightweight traffic) cover, that can be inspected. The tank is made up of layers of fibreglass, with a top layer of fibreglass gauze, and with reinforced upper and bottom; it will have a capacity of ...litres and is divided into two compartments that slow down the wastewater flow rate and favour the separation of the oil, grease and floating solids from the water.

Degreasing well

Degreasing well for wastewaters from domestic kitchen drains (for no. ____ people). It is manufactured as a rectangular GRP tank with a central partition which is open at the bottom (W____ L____ H____), with a CLASS A15 (pedestrian traffic) cover.

TREATMENT PROCESS

In the separating tanks for oil, grease and floating solid substances, non-emulsion oily substances and floating solid substances, separate both naturally and continuously via gravity. Oil has a lower specific weight than that of water and this is why it separates from water and rises naturally, stratifying on the surface of the separating tank. The rising speed of the oil is set forth by the law of Stokes. There are basically three factors that determine the rising speed of the oil to the surface: size, weight and temperature of the oil drops. Other secondary factors affect in some way the process: dispersed dust, speed and/or turbulence of the flow, etc. Larger oil drops float more easily and rise at a higher speed. The separation of oil from water is facilitated if there is a large, calm wastewater flow surface which aids oil rising and lower its descent speed. According to the law of Stokes, a drop of oil of size 100 micron can move upwards of 7.5 cm in 5 minutes time, at a speed of 0.9 m/h.



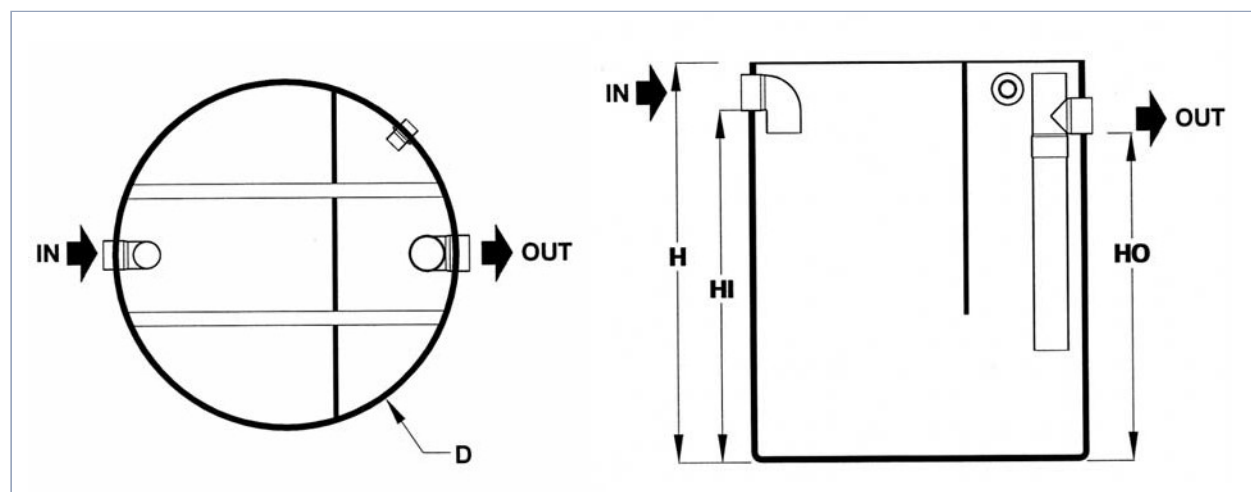
TWO-COMPARTMENT SEPARATING TANK



DEGREASING WELL

TWO-COMPARTMENT SEPARATING TANK

PEOPLE I.E.	MEALS N.	D INSIDE DIAMETER mm	H TOTAL HEIGHT mm	HI INLET HEIGHT mm	HO OUTLET HEIGHT mm	Ø IN mm	Ø OUT mm	CAPACITY litres	WEIGHT kg
10	--	760	750	550	520	100	100	235	20
15	--	900	900	700	670	100	100	425	28
30	20	1040	1280	1080	1050	100	100	890	43
40	30	1200	1430	1200	1170	125	125	1325	58
60	40	1400	1400	1170	1140	125	125	1760	63
70	50	1400	1740	1510	1480	125	125	2280	150
90	60	1600	1650	1420	1390	125	125	2800	100
110	70	1800	1650	1420	1390	125	125	3535	140
130	80	1800	1800	1570	1540	125	125	3920	150
160	100	1800	2200	1970	1940	125	125	4935	180
200	150	2000	2300	2070	2040	125	125	6410	240
250	200	2500	2100	1870	1840	125	125	9030	270
300	250	2500	2600	2370	2340	125	125	11480	330
400	300	3000	2400	2170	2140	125	125	15120	370



DEGREASING WELL

L1 LENGTH mm	L2 WIDTH mm	H TOTAL HEIGHT mm	HI INLET HEIGHT mm	HO OUTLET HEIGHT mm	Ø IN mm	Ø OUT mm	CAPACITY litres	WEIGHT kg
600	400	500	380	360	80	80	90	20
800	600	500	365	355	100	100	170	30

