



FREE STANDING GREASE SEPARATORS

Commercial operations generating wastewater must implement appropriate measures, by using suitable pre-treatment installations, to ensure that solids and liquids which can give off toxic and unpleasant vapours and odours are prevented from damaging construction materials and drainage facilities, harming operations, and are held back so that they do not enter sewage pipes.

Areas of application:

- Hotels
- Restaurants
- Food serving areas
- Refectories
- Canteens
- Butcheries shops
- Slaughterhouses
- Kitchens
- Ready-made meals producers
- Chips and crisp production

Standards and tests

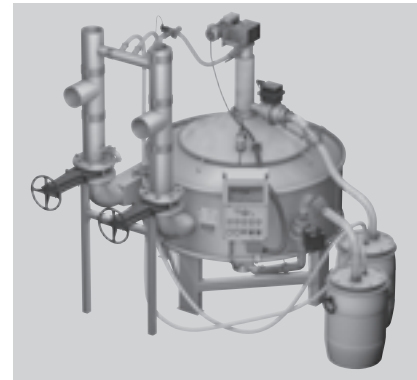
All ACO Building Services grease separators are manufactured in accordance with EN 1825 standard.

Complete disposal concepts

ACO has two types of grease separator: grease separators for ground installation, and free-standing grease separators. The grease separators for ground installation (ECO-FPI) are complete disposal separators. This means that the whole grease separator has to be completely sucked out and emptied.

**Grease separators for partial disposal (Fresh grease separators)**

Grease separators working on the partial disposal principle also operate purely physically on the basis of gravity (density differences), i.e. heavy wastewater constituents sink to the floor of the separator, whilst light substances such as animal oils and fats rise to the top of the separator. However, in the case of partial separation, the separated substances (grease and sludge) are collected in separate containers. The treated wastewater is then discharged into the sewers via the drainage outlet pipe.



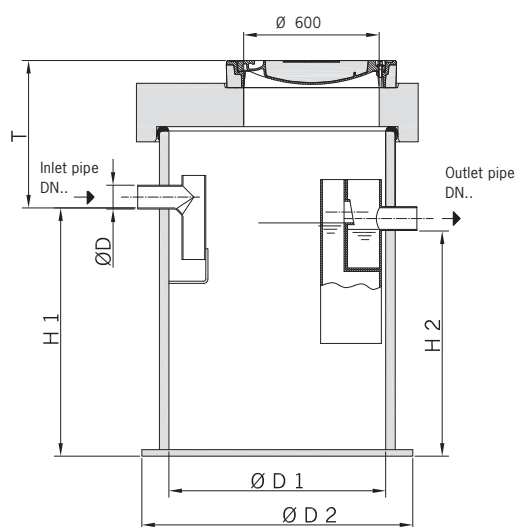
ECO-FPI – GREASE SEPARATORS FOR GROUND INSTALLATION

ECO-FPI grease separators are designed for ground installation outside of buildings. Installation recommended in green spaces or access routes, but where possible not directly in areas with vehicular traffic (load class B) or traffic lanes (load class D). Because disposal always takes place with an open lid, it is recommended that the ECO-FPI only be installed in positions where no complaints are expected about the odour emissions.



Product advantages

- If the ground is compacted, no filling with concrete necessary
- Enormous strength - thanks to the double-walled PE ground shaft
- Non-buoyant without any additional measures under conditions with groundwater levels max 1 m above the base plate
- Load class SLW 60 (with D400 manhole cover) with no onsite concrete measures required
- Integrated sampling device – no separate sampling shaft required.



Container dimensions

NS	Capacities in litres			DN	Dimensions in mm						Article number	
	Sludge trap	Grease storage volume	Total		H 1	H 2	D	D 1	D 2	T	Class B 125	Class D 400
1	100	120	615	100	885	785	110	1000	1250	695	3201.55.00	3201.55.01
	200	120	715	100	1010	910	110	1000	1250	570	3201.56.00	3201.56.01
2	200	120	715	100	1010	910	110	1000	1250	570	3202.55.00	3202.55.01
	400	120	915	100	1265	1165	110	1000	1250	560	3202.56.00	3202.56.01
3	300	120	815	100	1140	1040	110	1000	1250	685	3203.55.00	3203.55.01
	600	120	1115	100	1520	1420	110	1000	1250	815	3203.56.00	3203.56.01
4	400	160	915	100	1265	1165	110	1000	1250	560	3204.55.00	3204.55.01
	800	160	1315	100	1775	1675	110	1000	1250	560	3204.56.00	3204.56.01
7	700	400	1950	150	1205	1105	160	1500	1800	650	3207.55.00	3207.55.01
	1400	400	2660	150	1605	1505	160	1500	1800	650	3207.56.00	3207.56.01
10	1000	400	2250	150	1370	1270	160	1500	1800	685	3210.55.00	3210.55.01
	2000	400	3250	150	1940	1840	160	1500	1800	665	3210.56.00	3210.56.01

LIPATOR – Fresh grease separator for free-standing installation with manual disposal system

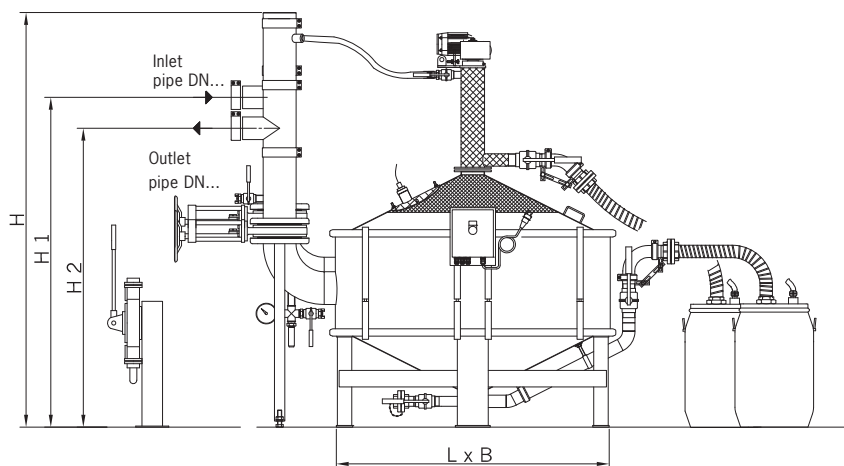
Areas of application:

The LIPATOR fresh grease separator made of stainless steel 1.4301 is installed inside buildings in rooms protected from frost. The fresh grease separator has two disposal drums (or collecting containers) for grease and sludge. The separated materials are transferred from the separator into the drums by manually opening the drainage valves. When the drums are full, they are simply replaced by empty drums. The installation of a fresh grease separator (separator with partial disposal) is recommended whenever it is difficult to empty a grease separator directly when using a disposal vehicle, or in situations where it is not possible to interrupt normal business operations.



Product advantages

- 90% of the total volume remains in place, which considerably reduces disposal costs and fresh water consumption.
- No accumulation of grease deposits because the separated substances only remain in the separator for a short time.
- Disposal possible without interrupting normal operations: e.g. work in kitchens can go on unhindered during disposal.
- No disposal vehicle required – grease and sludge collected in replaceable drums.



Container dimensions

NS	DN	Dimensions in mm							Article number
		H 1	H 2	H	L	B	Largest single component		
							Diameter	height	
2	100	1305	1235	1800	1050	680	680	1050	7672.30.00
4	100	1600	1450	2050	2150	1380	1380	800	7674.30.00
7	150	1600	1530	2050	2150	1380	1380	800	7677.30.00
10	150	1900	1750	2350	2800	1830	1830	600	7680.30.00
15	200	1900	1830	2350	2800	1830	1830	600	7685.30.00

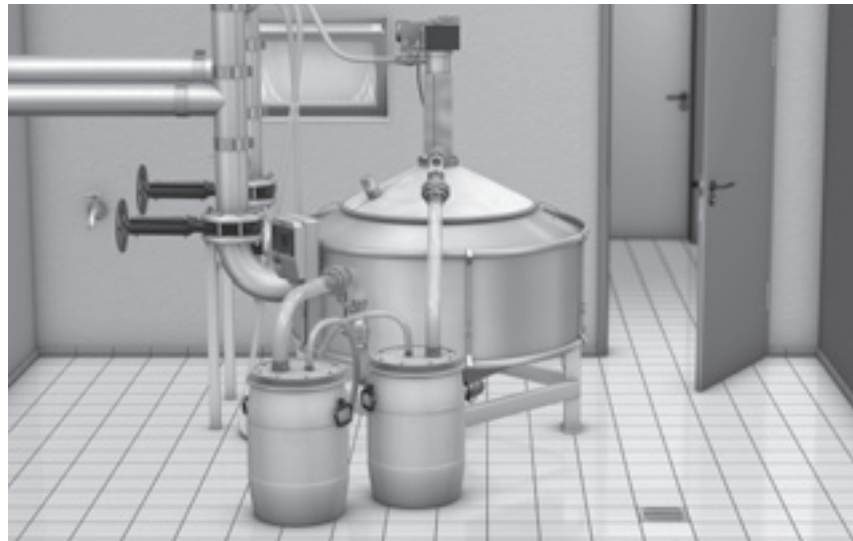
LIPATOMAT – Fresh grease separator for free-standing installation with automatic disposal system

Areas of application:

The LIPATOMAT fresh grease separator made of stainless steel 1.4301 is installed inside buildings in rooms protected from frost.

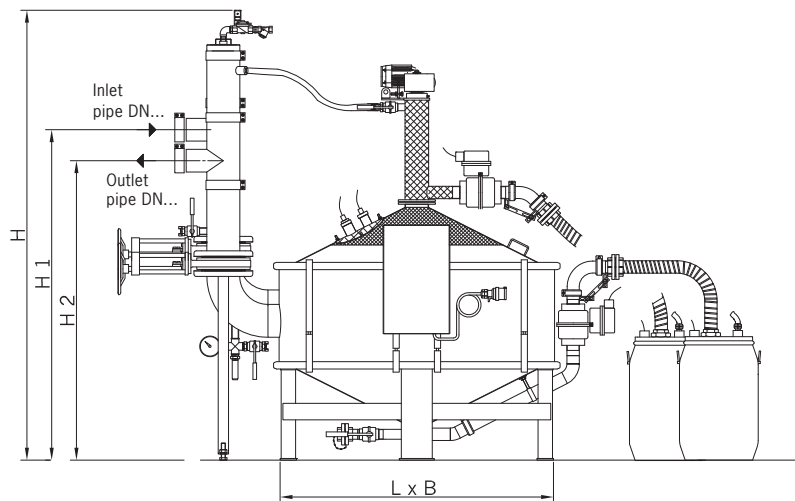
The fresh grease separator has two disposal drums (or collecting containers) for grease and sludge. The separated materials are transferred from the separator into the drums automatically. When the drums are full, they are simply replaced by empty drums.

The installation of a fresh grease separator (separator with partial disposal) is recommended whenever it is difficult to empty a grease separator directly when using a disposal vehicle, or in situations where it is not possible to interrupt normal business operations.



Product advantages

- Daily automatic disposal process.
- 90% of the total volume remains in place which considerably reduces disposal costs and fresh water consumption.
- No accumulation of grease deposits because the separated substances only remain in the separator for a short time.
- Disposal possible without interrupting normal operations: e.g. work in kitchens can go on unhindered during disposal.
- No disposal vehicle required – grease and sludge collected in replaceable drums.



Container dimensions

NS	DN	Dimensions in mm							Article number
		H 1	H 2	H	L	B	Largest single component		
							Diameter	height	
2	100	1305	1235	1950	1050	680	680	1050	7672.60.00
4	100	1600	1450	2200	2150	1380	1380	800	7674.60.00
7	150	1600	1530	2200	2150	1380	1380	800	7677.60.00
10	150	1900	1750	2500	2800	1830	1830	600	7680.60.00
15	200	1900	1830	2500	2800	1830	1830	600	7685.60.00

