

Dimensioning Questionnaire for Light Liquid Separators

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Questions for Dimensioning

The dimensioning of the separator system is carried out in accordance with EN 858-2.

① Wastewater Source Area

To which industry can the business be assigned?
Petrol station
Haulage contractor/bus company
Construction company
Vehicle service
Specialised vehicles
Car wash
Scrap trade

How is the existing area used
Depreservation
Cleaning vehicles/vehicle parts
Maintenance/repair of vehicles/vehicle parts
Processing of vehicles/vehicle parts
Storage area of damaged vehicles
Tank area drainage
Junkyard
Vehicle parking areas/car park
Machinery and parts washing area
Filling stations/loading areas/storage areas

Send the form sheet to mail@graf.info or fax it to +49 7641 589-50. We will check sizing or compile your initial quote speedily. We look forward to receiving your query!

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1.1 Type of wastewater containing oil

Enter the purpose for which the separator system is used.

For what purpose is the separator system used?

For treating dirty water (industrial wastewater)

For treating oil-contaminated rainwater (rainfall runoff)

To prevent light liquid from leaking in an uncontrolled manner

1.2 Substances contained in wastewater

Enter the substances contained in the wastewater and the expected amount of sludge.

Which light liquids are in the wastewater?

Petrol	Diesel	Engine oil	Transmission oil	Hydraulic oil	
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Density of the light liquid

< 0.85 g/cm ³	0.86 to 0.90 g/cm ³	0.91 to 95 g/cm ³
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Biodiesel

Biodiesel amount 0% to 5%	Biodiesel amount 5% to 10%	Biodiesel amount 10% to 40%	Biodiesel amount > 40%
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What is the expected amount of sludge?

None	• Condensate
Low	• Process waste waters with defined small quantities of sludge • All rainwater catchment areas, which accumulates neither road abrasion, dirt by vehicular traffic nor the like
Medium	• Petrol stations, motorcar washing by hand, parts washing, bus washing stations • Wastewater from repair workshops, parking areas, power plants, engineering companies
Large	• Washing areas for construction vehicles, construction equipment, agricultural machinery • Lorry washing stations
Special case • Automatic car washing systems, e.g. gantry car washes, tunnel car wash	

1.3 Wastewater discharge

Specify in which system the wastewater is discharged.

Discharged to ...

Waste/mixed water channel	Rainwater channel	Waters
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② Accumulating rainwater

2.1 Selection of dimensioning rain

The locally authoritative rain intensity is determined by the competent authority and can be obtained from them.

_____ l/(s*ha)

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2.2 Open areas

Enter the m² of all watered areas:

Watered areas	m ²
Repair areas	
Uncovered washing areas	
Storage area for damaged vehicles	
Refuelling areas	
Storage, parking, scrap areas	
Other areas	

2.3 Roofing of the washing area

Is the washing area covered?

Yes	No
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③ Accumulating wastewater

3.1 Wastewater accumulation from high-pressure and steam cleaning devices

Enter the number of devices used.

Car wash	Number
HP and steam jet devices	
HP and SC devices in connection with an automatic car wash	

3.2 Wastewater accumulation from motorcar/lorry washes or wash stations

Enter the number of car washing systems present.

Car wash	Number
Tunnel car wash	
High-pressure soil washing	
Gantry car wash lorry	
Gantry car wash motorcar	

3.3 Wastewater accumulation from other existing water connections

Enter the number of existing water connections.

Nominal width of the drain valves	Number
DN 15 R ½"	
DN 20 R ¾"	
DN 25 R 1"	

Date

Signature