



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
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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



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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?

<input type="checkbox"/> Petrol	<input type="checkbox"/> Diesel	<input type="checkbox"/> Engine oil	<input type="checkbox"/> Transmission oil	<input type="checkbox"/> Hydraulic oil	<input type="checkbox"/>
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Density of the light liquid

<input type="checkbox"/> < 0.85 g/cm ³	<input type="checkbox"/> 0.86 to 0.90 g/cm ³	<input type="checkbox"/> 0.91 to 95 g/cm ³
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Biodiesel

<input type="checkbox"/> Biodiesel amount 0% to 5%	<input type="checkbox"/> Biodiesel amount 5% to 10%	<input type="checkbox"/> Biodiesel amount 10% to 40%	<input type="checkbox"/> Biodiesel amount > 40%
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What is the expected amount of sludge?

<input type="checkbox"/> None	• Condensate
<input type="checkbox"/> 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
<input type="checkbox"/> Medium	• Petrol stations, motorcar washing by hand, parts washing, bus washing stations • Wastewater from repair workshops, parking areas, power plants, engineering companies
<input type="checkbox"/> Large	• Washing areas for construction vehicles, construction equipment, agricultural machinery • Lorry washing stations
<input type="checkbox"/> 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 ...

<input type="checkbox"/> Waste/mixed water channel	<input type="checkbox"/> Rainwater channel	<input type="checkbox"/> Waters	<input type="checkbox"/>
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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	

③ Accumulating wastewater

3.1. Wastewater accumulation from existing water connections

Enter the number of existing water connections.

Nominal width of the drain valves	Number
DN 15 R 1/2"	
DN 20 R 3/4"	
DN 25 R 1"	

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 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	

3.4. Roofing of the washing area

Is the washing area covered?

<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Place, Date

Signature