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Project sheet for separator systems for light liquids – Page 1/2

Questionnaire for dimensioning, planning and quotation preparation	Date	
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Queries Please contact us for technical clarification of separator systems for light liquids

Project data

Project type	<input type="checkbox"/> Industry/commerce	<input type="checkbox"/> Municipality	<input type="checkbox"/> Private	<input type="checkbox"/> Miscellaneous
Project				Postcode/ City

Contact person

Company/Authority		Name	
Telephone		Mobile	
E-mail		Postcode	
Street		Place	

Data for the design

Discharge of waste water	<input type="checkbox"/> Sewage channel Public <input type="checkbox"/> water body	Cover	<input type="checkbox"/> Class B125 <input type="checkbox"/> Class D400
Cleaning agents		Inlet depth	
Drainage depth		Maintenance contract	
General inspection during commissioning		Operating diary	
Maintenance set			

Calculation of the rainwater runoff (Q_r)

Rain donation r

The local relevant rainfall rate is determined by the responsible authority and can be requested there.

l/(s*m²)

Precipitation area A

Precipitation area A is as all unroofed areas of a property/business premises on which mineral light liquids accumulate due to drip loss, vehicle cleaning, maintenance, serv, etc. and run off with rainwater. These areas must be delimited by structural (e.. gradients).

Refuelling areas	<input type="text"/> m ²	Parking areas for damaged / accident vehicles	<input type="text"/> m ²
Yard areas	<input type="text"/> m ²	Working pits, lifting platforms (outdoors)	<input type="text"/> m ²
Maintenance and Washing areas	<input type="text"/> m ²	Special areas	<input type="text"/> m ²
Storage, parking and scrap yards	<input type="text"/> m ²	Other areas	<input type="text"/> m ²

Simultaneous accumulation of rainwater and wastewater Yes No

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Project sheet for separator systems for light liquids – Page 2/2

Maximum wastewater discharge in l/s (Q_s)

Outlet valves (Q_{s1})

Outlet valves are all existing water taps that can be open at the same time and to which no cleaning devices are connected

Valves DN 15 pcs
 Valves DN 20 pcs
 Valves DN 25 pcs

Car washes:

Gantry car wash pcs
 Car washes pcs

Cleaning device in conjunction with a washing system

Quantity

High-pressure cleaning equipment

Quantity

Density of light liquids to be separated (g/cm³)

Diesel fuel	0,82–0,85	With up to 100 % FAME content	0,883	Gear oils	0,89 – 0,94
Diesel fuel with up to 5 % FAME content	0,83	Petrol	0,72 – 0,79	Lubricants	0,91 – 0,94
Diesel fuel with up to 10 % FAME content	0,835	EL heating oil	0,85	Engine oils	0,86 – 0,90
Diesel fuel with up to 40 % FAME content	0,85	Hydraulic oils	0,86 – 0,90		

Density of the light liquid used

g/cm³

Separator combination

ABKW separator

SAP SBAP

LF separator with CE marking and declaration of performance

SIP SIIIP

Use of the separator system as a retention device during refuelling – (minimum oil storage volume)

- | | |
|--|--|
| <input type="checkbox"/> Car refuelling (150 l) | <input type="checkbox"/> Filling the storage containers with filling hose safety device (ASS) (100 litres) |
| <input type="checkbox"/> Truck refuelling (450 l) | <input type="checkbox"/> Filling of storage containers with attention button and emergency stop actuation (ANA) (900 litres) |
| <input type="checkbox"/> Other minimum oil retention volumes (<input type="text"/> l) | |

Biodieselanteil (Fame)

CFAME content in % up to 2% over 2% to 5% over 5% to 10% over 10%

Sludge accumulation

The content of the sludge trap is determined as follows according to the categorisation of the sludge accumulation

Low: 100 · NS

Process wastewater with defined low quantities of sludge from all rainwater collection areas where neither road abrasion nor dirt from traffic or similar is produced

Medium: 200 · NS

Petrol stations, manual car washes, parts , bus washes, waste water from repair workshops, vehicle parking areas, power stations, mechanical engineering companies

Large: 300 · NS

Washing bays for construction site vehicles, construction machinery, agricultural machinery, lorry washing bays

Amount of sludge to be applied

Low Medium Large

Is the required superelevation in relation to the inlet side maintained?

Yes No

Is there the required superelevation in relation to the backflow level?

Yes No

Can the inlet to the separator system be safely interrupted?

Yes No

Notes / Other / Equipment requests