

CSA 1500 / 4000 - G / I

Emulsion-splitting plant / combi-plant

For treatment of hydrocarbon- and color-containing waste water



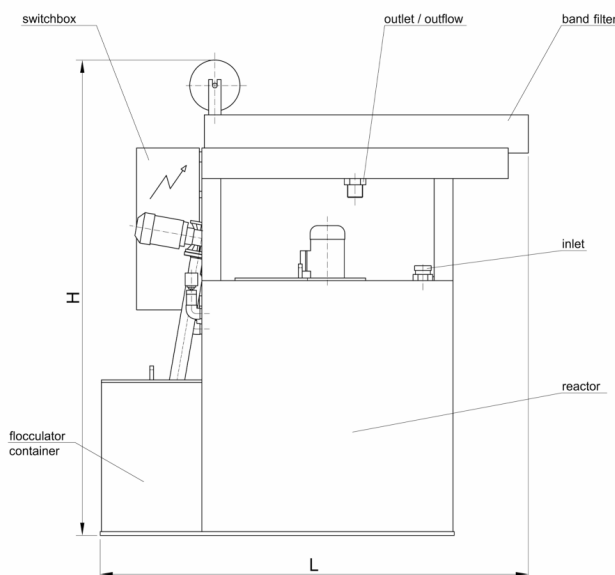
Range of application CSA 1500 / 4000 - G:

- ❖ Oil-in-water-emulsion (e.g. wash water)
- ❖ Cooling emulsions
- ❖ Condensate
- ❖ Color- or glue-containing waste water
- ❖ Dispersion
- ❖ Rinse water
- ❖ Degreasers

Range of application CSA 1500 / 4000 - I:

- ❖ Heavy metal containing waste water
- ❖ Acidic / alkaline waste water

Dimensional sketch:



Technical information:

Type	CSA 1500-G	CSA 4000-G
Process	Batch	Batch
Capacity per hour	1200 l/h	3000 l/h
Recommended daily capacity	12 m ³	30 m ³
Power supply	230V, 50Hz, 10A	230V, 50Hz, 10A
Capacity of the reactor tank	580 liters	1500 liters
Capacity splitting agent tank	30 liters	60 liters
Empty weight	Approx. 250kg	Approx. 500kg
Operational weight	Approx. 900kg	Approx. 2200kg
Waste water inlet	G 1 1/4"	G 1 1/4"
Clear water outlet	G 2"	G 2"
Dimension l x w x h mm	1700x875x1900	3000x1340x2000
Min. Room height	2600mm	2600mm
Ground	Smooth + in water	Smooth + in water
Optional for type	CSA 1500 / 4000 - I	
Dosage pump (acid, lye, fm)	1-3 pcs.	
pH - regulation	1 pcs.	
pH - end control	1 pcs.	

Technical data subject to change



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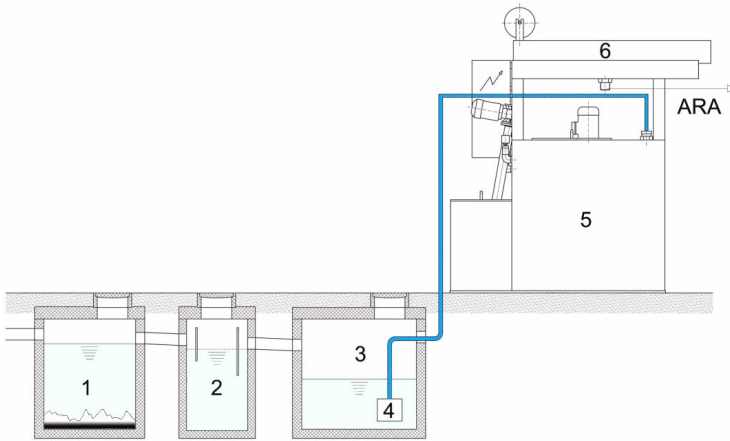


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CSA 1500 / 4000 - G / I

Process description:



- (1) Solid separator
(2) Mineral oil separator
(3) Buffer tank
(4) Submersible pump
(5) Reactor
(6) Band filter

CSA 1500 / 4000 - G:

After pre-cleaning in the solid separator (1) and the mineral oil separator (2), the water is collected in the buffer tank (3).

The waste water is pumped into the reaction tank (5) by a level-controlled submersible pump (4). While the stirring device is running, the splitting agent is added.

The water-mud mixture is pumped on the band filter. The hydrocarbons as well as the distributed solids are tied in mud flakes that are held back by the dedicated filter fleece.

CSA 1500 / 4000 - I:

The waste water will be neutralized by dosing acid and / or lye solution. Heavy metals are precipitated by dosing acid and / or lye solutions. Additionally, a liquid pre-flocculation agent can be dosed.

Delivery:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Housing complete made of PP | <input checked="" type="checkbox"/> Sensor for monitoring the splitting agent |
| <input checked="" type="checkbox"/> Band filter made of stainless steel | <input checked="" type="checkbox"/> Batch counter |
| <input checked="" type="checkbox"/> PLC control with display | <input checked="" type="checkbox"/> One filter fleece roll |
| <input checked="" type="checkbox"/> Float switch, optical alarm system | <input checked="" type="checkbox"/> One bag splitting agent S-85-3, Color 7... |

Delivery

(optional for CSA 1500 / 4000-I):

- | |
|--|
| <input type="checkbox"/> 1-3 chemical station with automatic dosing device and empty alarm units |
| <input type="checkbox"/> 1 pH measuring probe, incl. mounting plate, transducer and wet bucket |
| <input type="checkbox"/> 1 pH measuring probe, incl. mounting plate, transducer and printer |

Further Products of AWATEC / FioTec:

- ❖ **CSA** Emulsion splitting plants from 80 – 4000 l / h
- ❖ **COLORSPLIT** waste water purification plants for colored waste water
- ❖ **NFA** Neutralization and flocculation plants for building site waste water
- ❖ **UF/NF/RO** Ultra- and Nano filtration, Reverse Osmosis plants
- ❖ **SEP** Mineral oil separator
- ❖ **AQUAMAX, AWAREX** Biological treatment plants (SBR)
- ❖ **CSS** Specific customized large and special waste water treatment plants

Technical data subject to change



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