

CSA 700 - G / I

Emulsion-splitting plant / combi-plant

For treatment of hydrocarbon- and color-containing waste water



Range of application CSA 700-G:

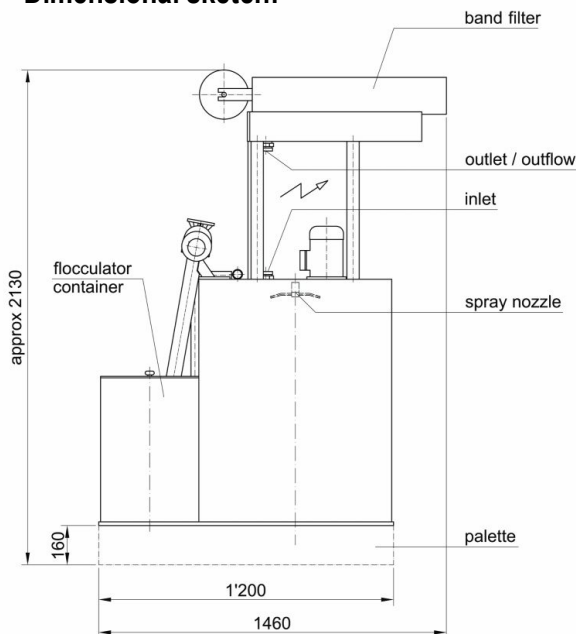
- ❖ Oil-in-water-emulsion (e.g. wash water)
- ❖ Cooling emulsions
- ❖ Condensate
- ❖ Color- or glue-containing waste water
- ❖ Dispersion
- ❖ Rinse water
- ❖ Degreasers

Range of application CSA 700-I:

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

Technical information:

Dimensional sketch:



Type	CSA 700-G
Process	Batch
Capacity per hour	700 l/h
Recommended daily capacity	7 m ³
Power supply	230V, 50Hz, 10A
Capacity of the reactor tank	350 liters
Capacity of the splitting agent tank	30 liters
Empty weight	Approx. 200kg
Operational weight	Approx. 500kg
Waste water inlet	G 1 1/4"
Clear water outlet	G 1 1/4"
Dimension l x w x h mm	1460 x 960 x 2130
Min. Room height	2600mm
Ground	Smooth + in water

Optional for type	CSA 700-I
Dosage pump (acid, lye, FHM)	1-3 pcs.
pH - regulation	1 pcs.
pH - end control	1 pcs.

Technical data subject to change



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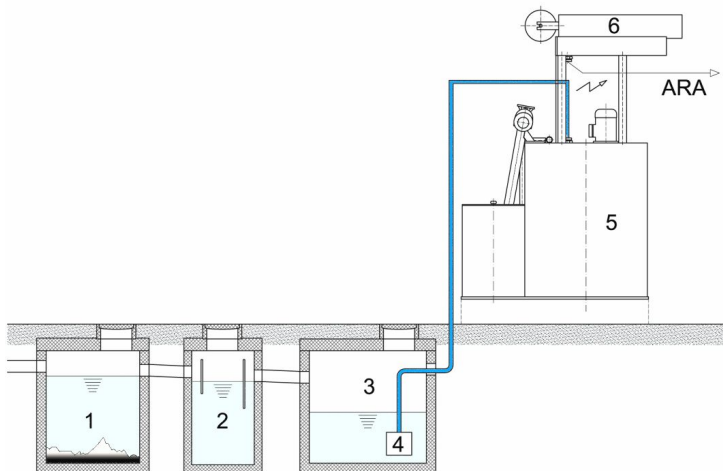


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CSA 700 - G / I

Process description:



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

CSA 700-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 700-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 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"/> Operation hour 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 700-I):**
- 1-3 chemical station with automatic dosing device and empty alarm units
 - 1 pH measuring probe, incl. mounting plate, transducer and wet bucket
 - 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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