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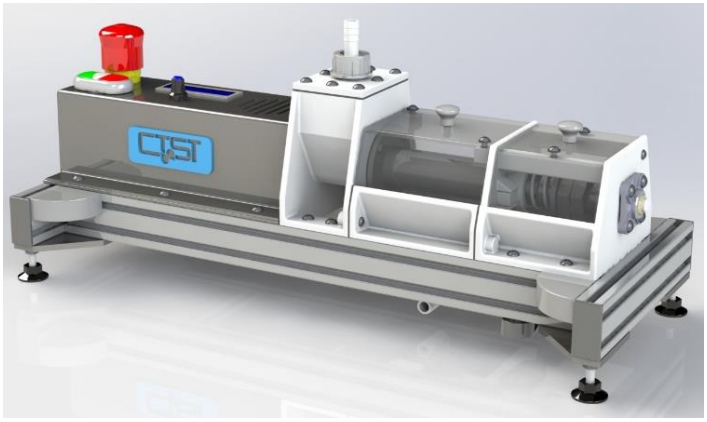

CTST located in Almelo in the Netherlands has developed a CMF unit. This development is a breakthrough in separation and concentrating low content solids from fluids. The solids (5-40 micron) can be significantly compacted while removing the liquid fraction. The design is compact, light-weight and energy efficient. The different models have a capacity of 1 to 1000 litre per hour. The market introduction is in Q4 of 2019.

The working principle

The working principle of the CMF unit is based on an optimization of the transport speed of the fluid and the pressure difference of filter and transport mechanism. The transport mechanism concentrates the solids in the fluids, where after the solids are compacted to a filter cake with a solid content higher than 40%. The fluid and filter cake are collected separately.

What can the CMF unit be used for?

The CMF unit can be used for the separation of none abrasive solids from fluids for re-use of the material like for instance:

- Separation of Algae from water in growing ponds
- Separation of Bio-polymers from aqueous and non-aqueous process streams
- Compacting solids from waste water treatment and digester installation
- Compacting fungi from a bio-digester

Questions?

In case of questions, please contact CTSTwente BV. We are available by phone on +31-546-745020 or by e-mail on info@CTSTwente.com. Our sales team and engineers are ready to help you.