

Clients we have successfully completed work for include:

United Utilities
Severn Trent Water
Glaxo SmithKline
Anhauser Busch
Unipart

Welsh Water
Department of the Environment - Water service NI

Northumbrian Water
Southern Water
Anglian Water
Scottish Water
Sydney Water

Brisbane Water Environmental Alliance (BWEA)
Thames Water



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HEAT EXCHANGERS



THE MARKETS MOST COMPACT HEAT
EXCHANGER

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HEAT EXCHANGERS

SLUDGE WATER HEAT EXCHANGER

Sludge/Water heat exchangers are produced based on a modular principle, with circular sludge channels, which means the design can be adapted to each plant's unique conditions. The channels provide a large throughput area that keeps pressure loss low and minimises the risk of clogging. Each level of sludge channels is surrounded by a rectangular water circuit, in which water for heating/cooling flows in the opposite direction to the sludge. The unique patented open turning chamber contributes to a compact design that is simple to install. Inspection, disassembly and maintenance are made easy because the turning chambers are mounted on a common flange. The turning chambers provide even higher heat transfer by equalising the sludge's temperature profile.

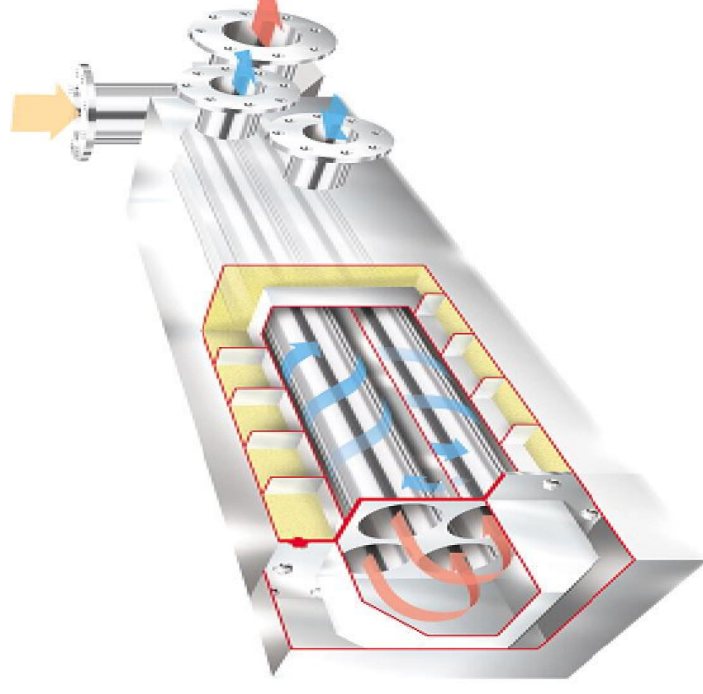


Technical features

- Unique design specifically for sludge
- Patented turning chamber
- Compact unit that is easy to install
- Simple inspection and maintenance
- High heat transfer
- Large throughput area

Process benefits

- Enhances efficiency of digestion and hygienisation
- Eliminates problems with multiple flanges and loose connections
- Equalises temperature profile of sludge
- Reduces pressure losses
- Minimises risk of clogging



SLUDGE SLUDGE HEAT EXCHANGER

The heat exchanger unit sludge/sludge consists of two heat exchangers sludge/water connected by a closed water circuit. This creates a compact unit that is simple to install and minimises installation volume. The closed water circuit between the heat exchangers eliminates the risk of digested or hygienised sludge being contaminated by raw sludge. Circular sludge channels deliver a large throughput area, which means low pressure loss and a minimised risk of clogging. Inspection, disassembly and maintenance are made easier because the patented turning chambers are mounted on a common flange. The turning chambers also provide higher temperature transfer by equalising the sludge's temperature profile. Based on a modular principle and patented turning chambers, the compact design delivers low running costs.

Technical features

- Unique design specifically for sludge
- Compact unit that is easy to install
- High heat transfer
- Closed water circuit between two separate heat exchangers

Process benefits

- Enhances efficiency of digestion and hygienisation
- Minimises installation volume
- Minimises risk of clogging
- Makes maintenance easier and eliminates problems with multiple flanges and loose connections



CSO TECHNIK CAPABILITIES

- Odour Surveys
- Design proposals
- Turnkey projects
- CSCS Trained Staff
- ISO9001
- Achilles registered
- Maintenance
- Spares & Service
- Fault Finding
- Technical Surveys & Reports
- Odour Testing

ALSO FROM CSO

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