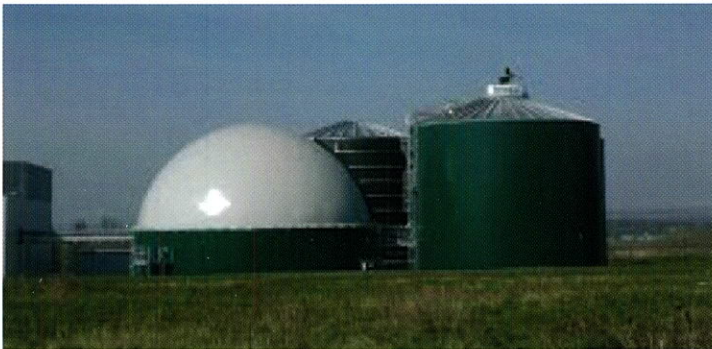




Spiral Plate Heat Exchanger Sewage sludge (municipal - Industrial) treatment & Biogas



Know How

Nexson Group designs and manufactures various models of spiral plate heat exchangers for waste water treatment and biogas plants.

25 years experience and succesfull worldwide references, we can help you in your new project needs or drop in replacement of all brand spiral heat exchangers as well as reconditioning and spare parts.

Benefits

Spiral Plate Heat Exchanger (SPHE) :

UNIQUE AND RELIABLE DESIGN

The spiral Plate Heat Exchanger (SPHE) present in various applications for almost a century, has proven to be the most efficient and reliable solution for handling fluids containing fibers and suspended particles.

SELF CLEANING

Single channel combined with turbulent flow allows self cleaning of the spiral heat exchanger. The removable covers that can be equipped with davits makes easy maintenance and inspection operations.

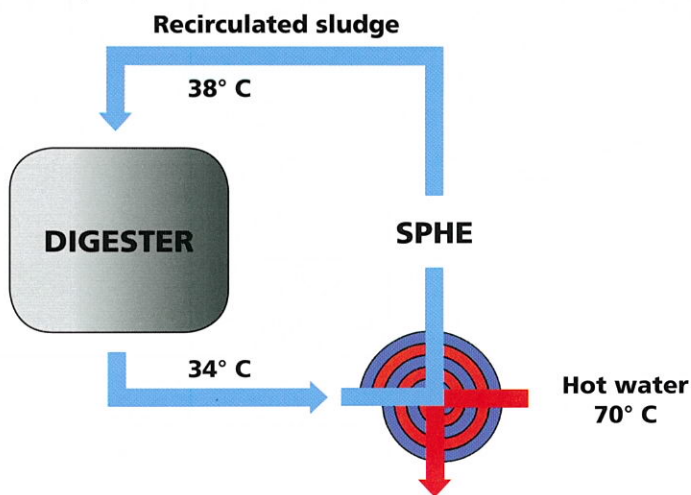
ENERGY SAVING

Countercurrent flow circulation makes it ~ 4 times more efficient than traditional shell & tube Heat exchanger.

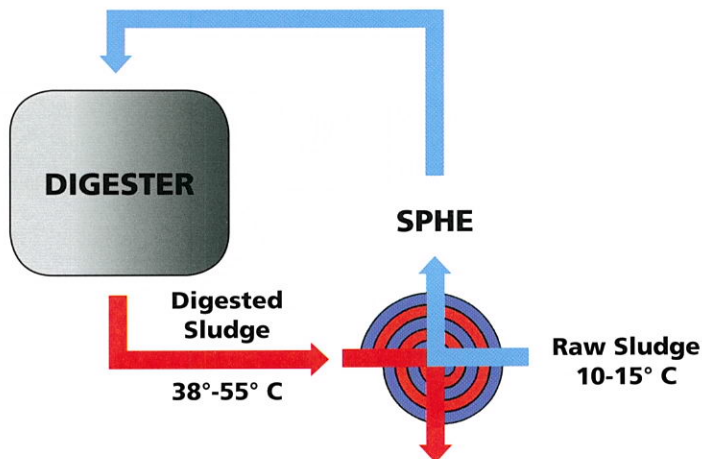
COMPACT

Compact shape easy to install and operate.

DIGESTER SLUDGE HEATING



RAW SLUDGE PRE-HEATING



RAW MATERIALS
P265 GH /SA516GR60
304L 316L

PRODUCTION CAPACITY
Area : Up to 600 m²
Maxi Design temp : 450°C
Maxi design pressure : Full Vacuum/60 Barg

Applications

Nexson Group Spiral plate heat exchangers can be used for heating municipal or industrial digester sludge (mesophilic and thermophilic processes) as well as growing biogas plants.

They can fit perfectly for heat recovery from effluents as well as interchangers (digested sludge / raw sludge.)

Single channel and self cleaning, they are designed to handle large sizes particles & fibers and drastically reduce maintenance costs.

The sludge channel is totally free access by opening the cover fitted with a davit. There is no need to dismantle any piping for maintenance operations. It requires up to 4 time less space for installation.

- DIGESTER SLUDGE HEATING
- HEAT RECOVERY RAW SLUDGE / DIGESTED SLUDGE
- UNITS CAPACITY (Standard) : 100 KW - 2 000 KW (DIGESTER SLUDGE HEATERS)

Customer benefits

- > ENERGY SAVING
- > COMPACTNESS
- > EASY INSTALLATION AND MAINTENANCE
- > RELIABILITY
- > LOW MAINTENANCE COSTS
- > PEACE OF MIND