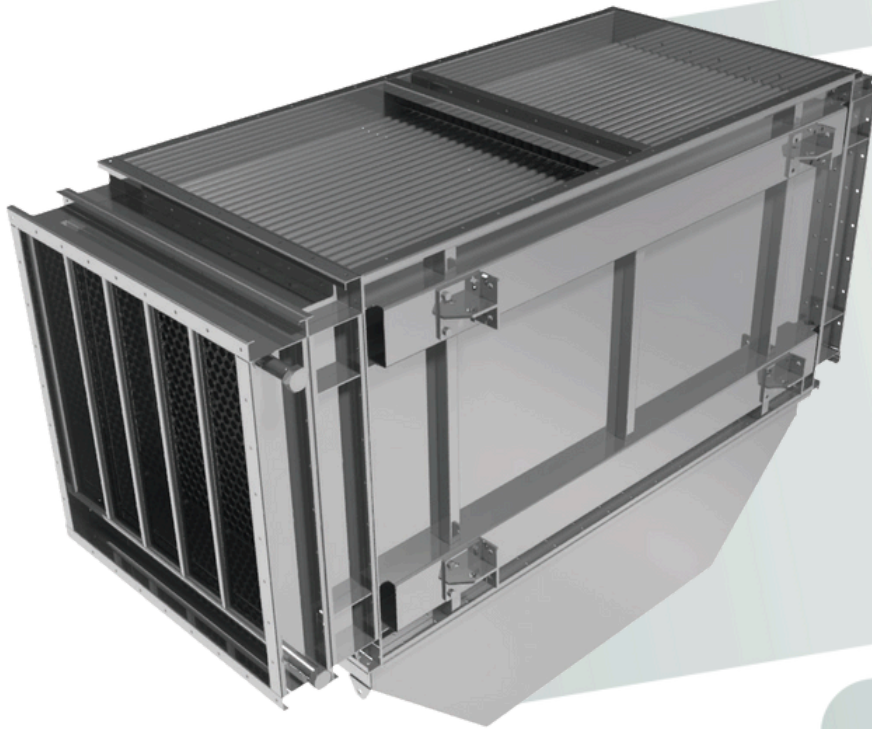


SMOOTH TUBE  
HEAT EXCHANGER

## GAS TO AIR HEAT EXCHANGER



# DAV. Gasy



## About Gasy Family

### DESCRIPTION

Cross Flow Tube Heat Exchangers [CFTHE] are designed for systems that require heat transfer between smoke and air streams without them being mixed.

Compared to cross flow plate heat exchangers, in the CFTHE, heat energy is exchanged via smooth tubes, usually made of stainless steel of various diameters and thicknesses according to the required performance.

In the DAV GASY, the tubes are coupled to tube-sheet by rolling, which guarantee a seal level up to 99.9% and if necessary, can

be welded to guarantee a 100% sealing.

Tubes are also easy to clean, either manually or by automatic systems.

Therefore, DAV GASY is the ideal solution for preheating air by recovering thermal energy from exhausted gases from boilers, engines, turbines and heavy industry in general.

By varying the pipes length and the number of passages across pipes, it is possible to achieve an efficiency level up to 80%.

### ADVANTAGES

To recover energy from exhaust gases

Automatic cleaning systems

Corrosion resistant materials

High efficiency

Modular design

Food grade materials

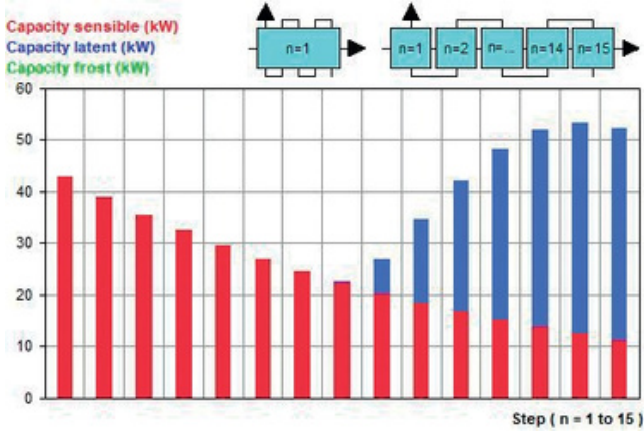
Low maintenance cost





## Efficiency

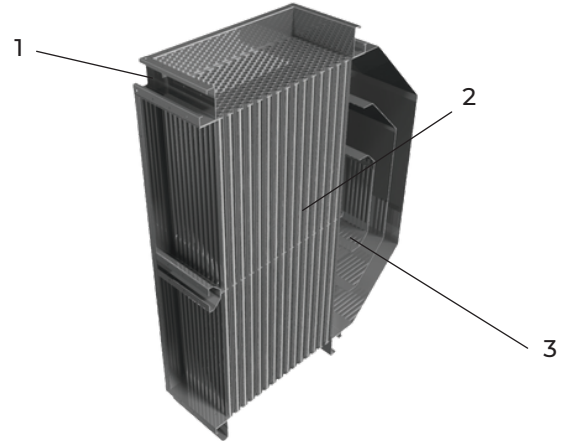
Can work in condensation



■ Economizer: recovers sensible heat

■ Condenser: recover both sensible and latent heat

## Modularity



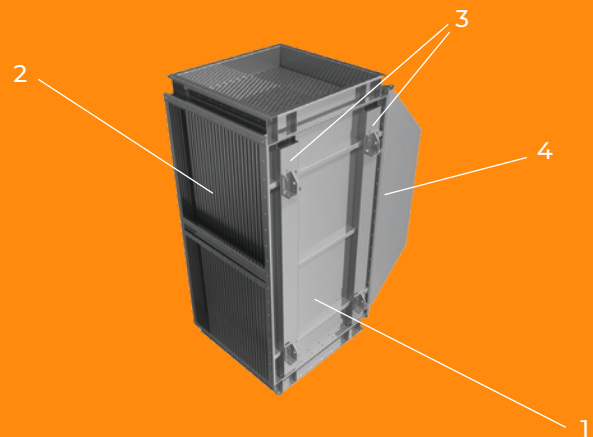
- 1/ Cleaning system (optional)
- 2/ DAV GASY
- 3/ Inversion duct (on multiple cross-flow models)

## Materials

\*other options available on request

- Carbon Steel
- Pre Galvanized Steel
- St. steel AISI 304
- St. steel AISI 316L
- St. steel AISI 316Ti
- St. steel AISI 321
- St. steel AISI 309
- Copper
- Titanium
- Alluminum
- Alluminum Alloy

## Smart Details



- 1/ Inspection flanges
- 2/ Removable cartridge heat exchanger
- 3/ Support structure
- 4/ Inversion duct

## Applications



Power



Oil & Gas



Heavy Industries



Offshore plants

