



Drying Plant for Mussels

Hushållningssällskapet Väst, Ellös, Sweden

This project

Hushållningssällskapet rents a drying plant from Torkapparater which is used for receiving and drying of mussels. The mussels are grinded after the drying process and used as animal feed.

YEAR OF DELIVERY:

2011

TECHNOLOGY:

Indirect tubular flue gas dryer
Bojner systems.

TREATED MATERIAL:

Mussels

EVAPORATION CAPACITY:

Totally up to

DRYNESS IN/OUT (w%):

Approx.

HEAT SOURCE:

Flue gases from pellets burner.

HEAT RECOVERY:

Flue gases from the dryer is used to preheat the ventilation air before entering the dryer.

GAS / DUST CLEANING:

Dry separation by cyclone

SCOPE OF DELIVERY:

Material handling with feed, input and discharge, dryers, ventilation system incl. cyclone, PLC and MCC systems, etc.

Alternative solutions

We offer tailor-made systems for drying of all types of solid materials – indirect systems in one or two steps being our specialty. Besides steam, exhaust gases, thermal oil, etc can be applied as heat source. We also offer direct drum drying which is a simple and robust technology, however with less opportunities for heat recovery and elimination of fire hazards. Please get in touch with us and explain your situation!



The drying takes place in a rotating tubular dryer which is heated indirectly by flue gases.

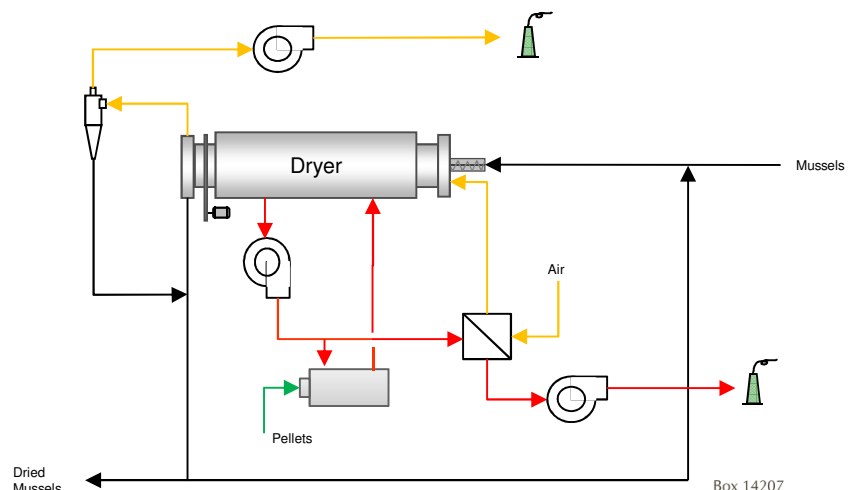
The flue are produced in an adjacent pellets burner . The flue gas from the burner are mixed with part of the used flue gases in order to reach the desired temperature at the dryer inlet. This allows the drying process to be controlled to the required operating point.

The part of the flue gases which is not

recirculated is passed through a heat exchanger to preheat the ventilation air that is used inside the dryer.

The ventilation air is passed through a cyclone after the dryer in order to separate dust from the air before it is released through a stack.

A part of the dried mussels is recirculated in order to optimize the drying process by lowering the moisture content in the dryer inlet.



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