

Datasheet

Hot Start Conditioner TCS



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General

The Hot Start Conditioners are a closed, insulated and heated mixing chamber, in which the raw material is heated with direct steam injection and mixed by a shaft which can rotate in two directions. Generously sized paddles, adjustable in both height and pitch, create a homogeneous mixture and a hygienic process. Two PT 100 temperature sensors register the preset temperature after which the electro-pneumatically controlled flap of the outlet is opened, which assures all material is properly heated before leaving the vessel.

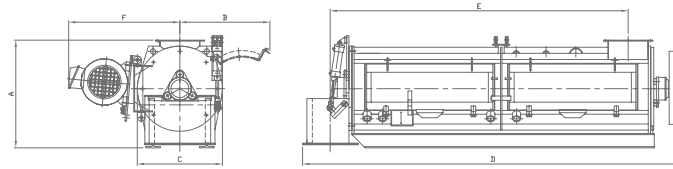
Advantages

- A 100% guarantee that the mixture, right from the first pound, undergoes the desired thermal treatment in order to combat bacteria, such as salmonella
- Homogeneous mixing and hygienic process
- Optimum absorption of steam and liquids
- Bypass system, for non-thermally treated mixtures at start of production or at emergency stop, is no longer required
- Robust housing construction
- Easy to clean
- Simple design

Features

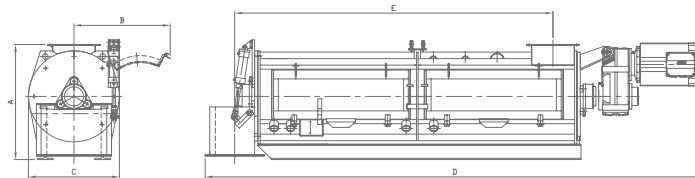
- Mixer housing in AISI 304, base plate construction in heavy duty steel
- Solid mixer shaft in AISI 304 with interchangeable paddles, adjustable in both height and pitch
- Paddle holders in AISI 304, paddles in Hardox
- Interchangeable built-in scrapers at endplates
- Electro-pneumatically controlled discharge gate
- Directly driven by gear motor or timing belt-driven by electric motor. Gear motor or electric motor must always be controlled by frequency converter! Exclusive frequency converter
- Large inspection doors with safety switch
- 2 temperature sensors PT 100
- 1x 3" steam inlet and 2x 1½" inlet for liquids
- Mixer housing, inspection doors and outlet insulated with rock-wool
- Electric heating system with adjustable thermostat 86-230 °F

Timing belt driven



| Type | Capacity (t/h) | Dimensions (Inches) | | | | | | Motorpower (Hp) |
|------------|----------------|---------------------|----|----|-----|-----|----|-----------------|
| | | A | B | C | D | E | F | |
| 450 x 2000 | 15 | 29 | 24 | 23 | 102 | 79 | 30 | 15 |
| 500 x 2500 | 20 | 31 | 26 | 25 | 123 | 98 | 35 | 15 |
| 500 x 3000 | 25 | 31 | 26 | 25 | 143 | 118 | 35 | 25 |
| 700 x 3000 | 30 | 41 | 36 | 35 | 146 | 119 | 41 | 25 |

Direct drive



| Type | Capacity (t/h) | Dimensions (Inches) | | | | | Motorpower (Hp) |
|------------|----------------|---------------------|----|----|-----|-----|-----------------|
| | | A | B | C | D | E | |
| 450 x 2000 | 15 | 29 | 24 | 23 | 124 | 79 | 15 |
| 500 x 2500 | 20 | 31 | 26 | 25 | 149 | 98 | 15 |
| 500 x 3000 | 25 | 31 | 26 | 25 | 168 | 118 | 25 |
| 700 x 3000 | 30 | 41 | 36 | 35 | 176 | 119 | 25 |