

Hot start conditioner TCS

General

A closed, insulated and heated mixing chamber, in which a mixture is heated with dry steam by a shaft which can rotate in two directions. Generously sized paddles, adjustable in both height and pitch, create a homogeneous mixture and an hygienic process. Two PT 100 temperature sensors register the preset temperature after which the electro-pneumatically controlled flap of the outlet is opened.

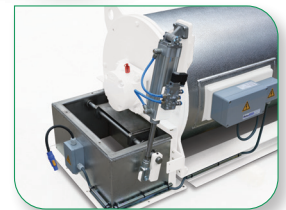


Advantages

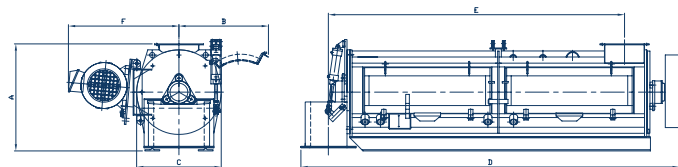
- » a 100% guarantee that the product, right from the first kilo, has the preset temperature and is mixed with steam and liquids
- » homogeneous mixing and hygienic process
- » optimum absorption of steam and liquids
- » bypass system, for non-thermally treated mixtures at start of production or at emergency stop, is no longer required
- » robust construction of the housing
- » 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 flap in outlet
- » 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 30-110 °C.

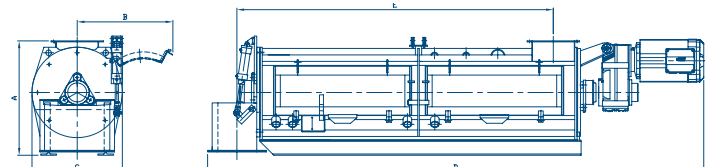


Timing belt driven



Type	Capacity (t/h)	Dimensions (in mm)						Motor power (kW)
		A	B	C	D	E	F	
450 x 1.700	12	720	605	570	2.350	1.703	760	7,5
450 x 2.000	15	720	605	570	2.650	2.003	760	11
500 x 2.500	20	746	640	620	3.150	2.480	800	11
500 x 3.000	25	746	640	620	3.650	2.980	900	15
700 x 3.000	30	1.014	900	880	3.800	3.003	1.020	15

Direct drive



Type	Capacity (t/h)	Dimensions (in mm)					Motor power (kW)
		A	B	C	D	E	
450 x 1.700	12	720	605	570	2.900	1.703	9,2
450 x 2.000	15	720	605	570	3.200	2.003	9,2
500 x 2.500	20	746	640	620	3.820	2.480	15
500 x 3.000	25	746	640	620	4.320	2.980	15
700 x 3.000	30	1.014	900	880	4.450	3.003	18,5

FEEDER SCREW

CONDITIONER

TCS

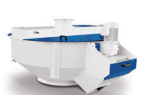
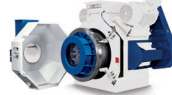
BOA COMPACTOR

PELLET MILL

COOLER

CRUMBLER

ROTOR SIFTER



PTN produces and develops high-quality, reliable machines. It strives to provide its customers with the following benefits through its products:

- » Higher yields.
- » Lower energy consumption.
- » Low maintenance requirements.
- » Access to state-of-the-art technology.

As a globally operating, specialized manufacturer of pelletisers and related machinery it is our ambition to expand to become the most respected professional OEM (Original Equipment Manufacturer).

Our strategy for achieving this ambition is to:

- » Expand and consolidate the global network of professional sales and service points.
- » Create a virtual and real image of professionalism, quality and innovation as well as a high level of standardisation and digital accessibility for strategic partners.
- » Transform technology, know-how and competences into technical and commercial added value.
- » Generate stable growth in sales and profit.



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