

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.

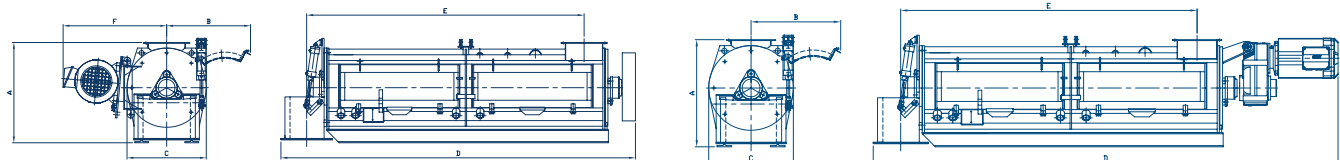
Advantages

- » A 100% guarantee that the mixture, right from the first kilo, 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 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 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



Type v-drive	Capacity (t/h)	Dimensions (in mm)						Motor Power (kW)
		A	B	C	D	E	F	
450 x 2000	15	720	605	570	2570	1995	760	11
500 x 2500	20	770	640	620	3120	2485	875	11
500 x 3000	25	770	640	620	3620	2985	875	15
700 x 3000	30	1020	900	880	3700	3005	1020	15

Type v-drive	Capacity (t/h)	Dimensions (in mm)					Motor Power (kW)
		A	B	C	D	E	
450 x 2000	15	720	605	570	3130	1995	9,2
500 x 2500	20	770	640	620	3765	2485	15
500 x 3000	25	770	640	620	4265	2985	15
700 x 3000	30	1020	900	880	4450	3005	18,5

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Extruders and Expanders

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