

STOLZ

Thermal conditioners CTID / CTIS



ENGINEERED
TO YOUR NEEDS

STOLZ thermal conditioner guarantees the sanitary quality, improves the meal flow and starch digestibility and increases the water content of the product.

The thermal conditioner has an angle of inclination to prevent all deterioration and provides a proper filling and retention time control.

OPERATING PRINCIPLE

The meal is introduced into the body via a feed screw always ensuring a complete filling of the conditioner.

The product is mixed by the rotor blades. It undergoes a shearing effect and retention before discharge until the opening order is given according to the temperature and the selected treatment time.

Such treatment provides a direct steam injection and a homogeneous cooking of the product. The long lasting treatment capacity (up to 6 minutes) of this unit guarantees a perfect mixing of starch and gluten molecules.

The transverse and horizontal shearing that the product undergoes increases the possibility of adding water to the meal thus improving the quality of pellets produced by the pellet mill and decreasing the energy consumption.

The outlet sluice provides a regular feeding and a quick response time of the pellet mill. It is designed to be cleaned easily and to avoid any steam leak.

FEATURES

- The unit always operates when completely filled without steam leakage
- All stainless steel construction



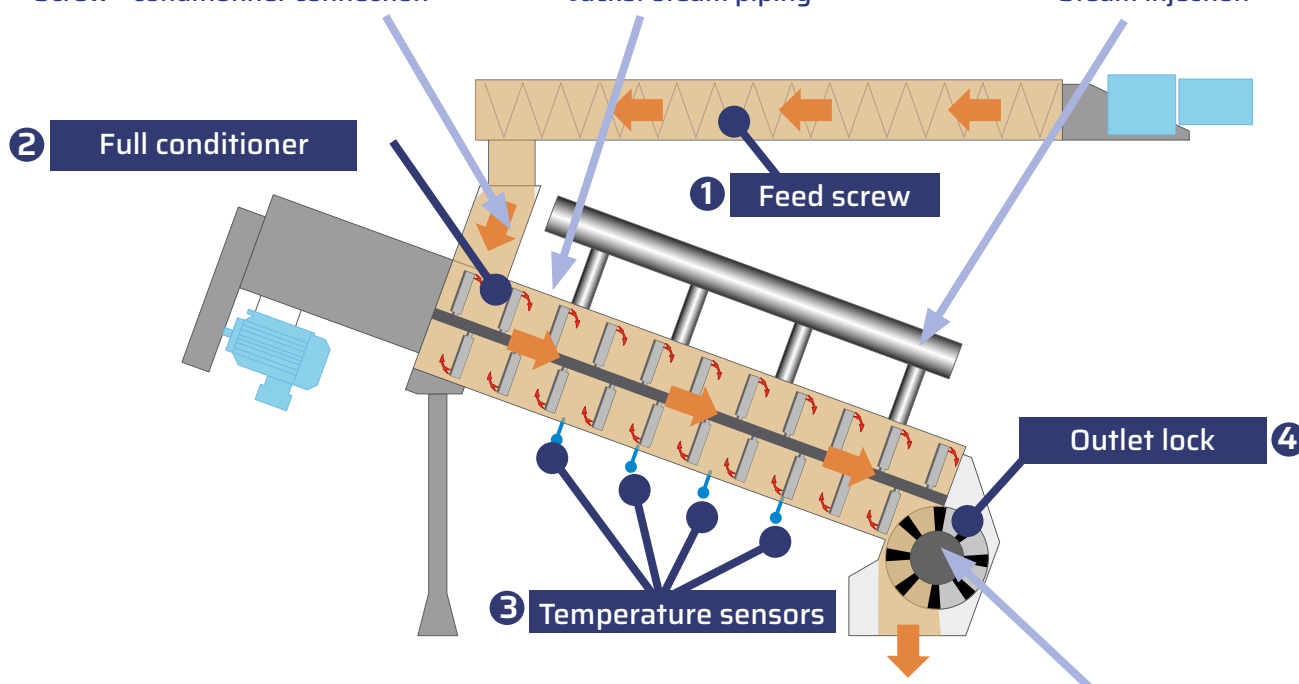
Screw - conditioner connection



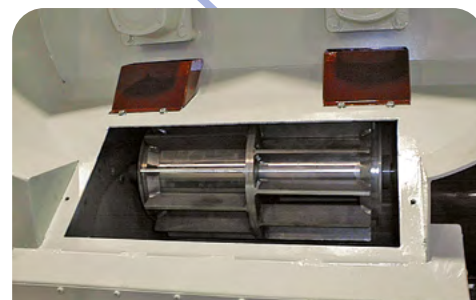
Jacket steam piping



Steam injection



- ① Overfilling
- ② When the conditioner is filled the feed screw stops
- ③ Steam addition up to the preset temperature
- ④ Continuous discharge by maintaining a constant product temperature, the conditioner being 100% refilled with material



Variable speed

DIMENSIONS AND POWER BY TYPE

TYPE	Number of rotors	Length	Width	Height	Volume	Power	Flow rate 2mn SW 0,5
		mm	mm	mm	L	kW	T / h
CTIS 520	1	4491	1095	2028	450	22	6,8
CTIS 400	1	3400	895	1000	190	15	3
CTID 520	2	4600	1170	2380	1030	2x15	15
CTID 700	2	5700	1450	2722	2020	2X30	30

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82 Route de Boisjean • 62170 • Wailly Beaucamp • France
 Tél : +33 (0)3 21 90 05 05 • contact.stolz@desmet.com
www.desmet.com/stolz
 /Stolz