

# Retention time barrel RTB

## General

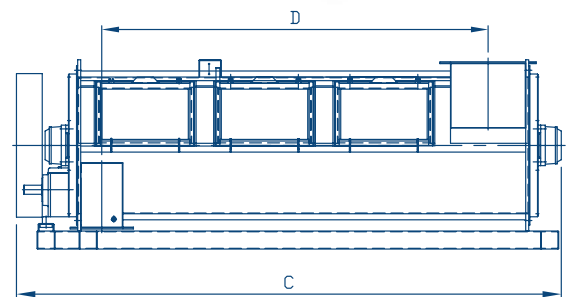
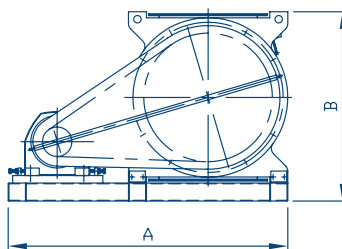
After the homogeneous mixing of steam in a conditioner the product remains, during a preset length of time, in this heated and insulated retention time barrel. After the retention time barrel the product can be further treated in a pellet mill, extruder or meal cooler. The thermal treatment of the product results in an easier operation in the pellet mill, which simultaneously results in an improved pellet quality.

## Advantages

- » Guaranteed first-in/first-out of the mixture in the retention time barrel.
- » Up to 15% increase of pelleting capacity, due to higher temperature and improved absorption of steam.
- » Product is kept at required temperature.
- » Minimal formation of condensation.
- » Reduced growth of bacteria.
- » Easy to clean.
- » Simple design.

## Features

- » All components that come into contact with the product are from AISI 304.
- » Solid shaft with large flight and inclined pitch.
- » Stuffing box sealings on shaft.
- » Belt-driven by gear motor, suitable for frequency control. Frequency converter not included.
- » Timing belt transmission.
- » Large inspection doors with safety switch.
- » Temperature sensor PT 100.
- » Insulated with rock-wool.
- » Electric heating system with adjustable thermostat 30-110 °C.



Type	Capacity (Tons/hr*)	Dimensions (in mm)				Motor power (kW)
		A	B	C	D	
700 x 3000	6	1425	1040	3550	2620	1,5
900 x 3000	11	1860	1260	3700	2570	1,5
900 x 4000	14	1860	1260	4650	3570	1,5
900 x 4500	16	1860	1260	5150	4070	1,5
900 x 5660	20	1860	1260	6300	5230	2,2

\* With a retention time of 240 seconds

FEEDER SCREW

CONDITIONER

TCS - RTB

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.



P.O. Box 132  
5480 AC Schijndel  
The Netherlands

T +31 (0)73 54 98 472  
F +31 (0)73 54 78 595

info@ptn.nl  
www.ptn.nl