

VERTICONE VPC 330/480

Conical Whitening Machine for Rice



- To control the whitening of brown rice
- The adjustable gap ensures a gentle and uniform whitening of the product
- State of the art conical whitening principle linear adjustable for all rice varieties
- Capacity up to 16 to/h
- Electrical drives up to 90 kW
- Compatible with SPS
- Tested under all milling circumstances

VERTICONE VPC 330/480 (patented)



the format of the particular kernel, or rather rice variety as well as the increase or decrease of the whitening effect.

The counter-pressure for the whitening working chamber is built up by a resistance ring at the rice outlet. The pressure can be varied to control the degree of whitening.

This ensures a gentle and uniform whitening of the product.

Optional: A supplemental cooling ventilator supports the cooling of the product during the whitening procedure and supports the discharge of the bran. The bran is removed by a separate pneumatic bran aspiration system.

The whitening degree is influenced by the following parameters:

- Gap adjustment between abrasive stones and sieves
- Adjustment of counter pressure
- Thickness of the brakes
- Throughput capacity per hour.

Mode of operation

Vertical whitening from top to bottom. The Verticone VPC operates with abrasive conical whitening discs with air-feed openings in between. The small diameter of the conical whitening rotor is placed at the top, right underneath feeding section while the big diameter is placed at the bottom, before the outlet section.

The product is conveyed to the machine by a vertical feeding pipeline. A feeding worm feeds the product into the working chamber. The whitening effect in the working chamber is influenced due to the adjustable gap distance between the abrasive stones and sieves achieved by the vertical height adjustment of the conical whitening rotor. This results into an optimal adaptation to



Control panel:
 – to fix the whitening degree by adjusting the gap between conical whitening rotor and sieve cage.
 – to check the load of the motor in %.

Technical Data

Typ	Capacity*	Motor Capacity	Bran Pneumatic		Net Weight	Shipping Data	Volume
	Long-grain	Main Drive					
	to/h	kW (50 Hz)	m ³ /min	daPa	kg	kg	m ³
330	2.0 - 8.0	up to 55	40	150	2300	2700	4.8
480	7.0 - 14.0	up to 90	80	150	2800	3200	5.7

* The capacity depends on the variety of the raw product and the whitening degree.
 We reserve the right to deviate from illustrations and data as improvements are constantly being made.



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