

# VERTICAL CONE RICE WHITENER

VCR-20 / - 40 / - 60 / - 80 / - 100

**N.P.T GROUP**



## FEATURES:

- The whitener machine is vertical type. Both abrasive and friction milling in the milling chamber; the milling degree is controlled by resistant pieces device and weight on the discharge outlet for the milled rice.
- During whitening bran layers will be removed from brown rice. The bran removal is best achieved in three steps to ensure evenly milled rice grain with minimum broken and optimum whiteness. The bran removal is 10% (brown rice) during whitener:
  - ☞ First pass is removed 3%
  - ☞ Second pass is removed 4%
  - ☞ Third pass is removed 2 - 4%
  - ☞ Rake bar consumption is 300 – 400 ton/set
- The temperature will increase after three pass of whitening about 7deg.C-10deg.C

## SPECIFICATION:

- **Higher milling yield and fewer broken.**  
Evenly milled, higher yield rice with fewer broken and minimum moisture loss is obtained through the state-of-the-art milling chamber.
- **Easy operation.**  
The required whiteness is easily obtained by the adjustment of the discharge weight. An automatic milling degree controller is also available as an option.
- **Easy replacement part.**  
The abrasive rolls are easily withdrawn out of the top of the unit. Screens have a "lift-away" design which makes changeovers quick and easy without having to remove the machine frame. All other parts are both easily accessible and changeable.
- **Longer parts life.**  
Due to the special treatment and the uniform and lower pressure obtained in the milling chamber as compared to conventional vertical whiteners, the durability of the wearable parts has been prolonged.
- **Minimum bran residue inside machine.**  
The bran rotor valve below the milling chamber assists in bran removal from the machine.
- **Compact design.**  
The special design of the milling chamber has almost twice the milling surface of conventional units and allows for very high capacity in a minimal amount of floor space.

## DIMENSIONS:

Model	Input Capacity (T/hr)	Required power (kW)	Main shaft revolution (rpm)	Bran collecting fan (kW)	Outside dimensions (mm)			Weight (kG)
VCR20	1-2	22	550	4	1080	650	1880	1600
VCR40	3-4	37	450	5.5	1180	700	2020	1800
VCR60	4-6	45	350	7.5	1370	800	2450	2000
VCR80	6-8	55	350	7.5	1370	800	2450	2200
VCR100	8-10	75	260	11	1820	1050	2670	2400

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