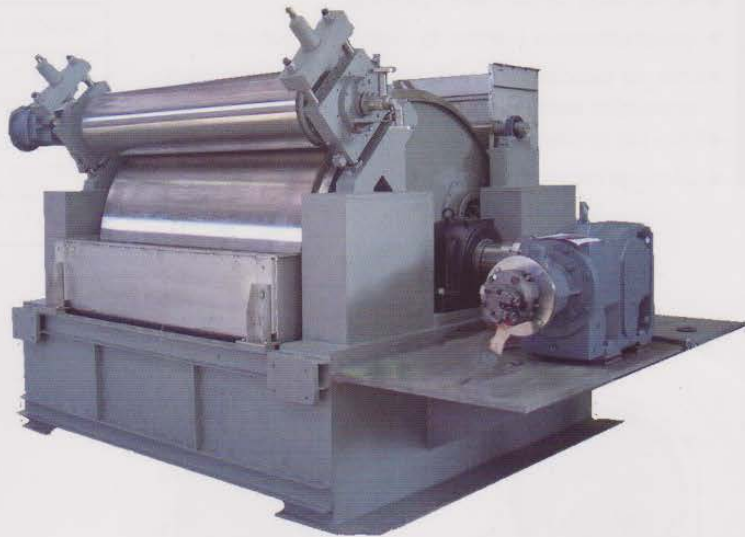


DRF – DRUM FLAKER

Drum flakers are suitable for handling of many organic and inorganic products. Years of use, also in hard conditions, have shown their reliability.

DELTA, which manufactures flakers from over forty years, has improved their performance with new internal cooling by sprayers and innovative drum design and construction to avoid cold points.



PRINCIPLES

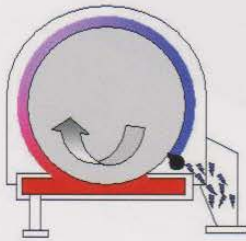
Flaking of product is obtained by solidification of the same on a cooled drum. A thin layer of the liquid product adheres to the outside of the rotating drum and solidifies between the feed and the knife. When the layer, become hard, arrives to knife, it is detached from drum and broken in small flakes which fall into discharge device. Thickness of flakes is given by feed type, drum rotation speed and, in the DRFV bottom vat type, by the immersion of the drum. All these parameters are easily adjustable for optimization of production. Working is continuous and after the initial setting, according to the type of product and required volume, no other setting or modifications are needed.

TECHNICAL DATA

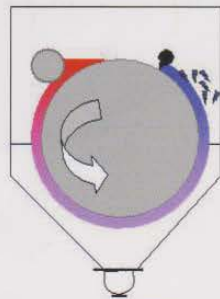
DRFV - SINGLE DRUM FLAKER WITH VAT

Rotating cylindrical drum internally cooled by means of a sprayer system.

- Heated vat to contain melted products.
- Special adjustable overflow to control level in the vat
- Knife for detaching the product from the drum. Material of construction according to the hardness of product.
- Drive unit for drum rotation. Variable rotation speed.
- Discharge hopper for flakes collection.



DRFV
Single Drum Flaker with Vat



DRFT
Flakers with distribution Roll

Models	Surface [m ²]	Lenght (mm)	Width (mm)	Height (mm)
DFRD 2.5	2.5	2500	1400	1500
DFRD 6	6	3250	2050	1970
DFRD 8	8	3750	2050	1970
DFRD 10	10	4250	2050	1970
DFRD 12	12	4000	2750	2650
DFRD 15	15	4500	2750	2650

DRFT - Flakers with distribution Roll

In DRFT the vat is substituted by a distribution roll on the upper part of main drum. This roll has a separate drive unit and the distance from main drum is easily regulated. Additional knife for cleaning the distribution roll is foreseen.

Possibility of hydraulic regulating system for the roll distribution which can act also like a safety device to avoid damage of machine in case of metallic or hard parts falling between the roll itself and the main drum. Possibility to heat or cool also the distribution roll.

Features & Accessories

- Material chosen according product and design condition.
- Austenitic stainless steel and special nickel alloy for parts in contact
- Different overall dimensions and capacity
- Explosion proof electric system
- Recirculation system with receiver for product to be flaked
- Closed ring cooling system with chiller
- Covering of machine and aspiration
- Spring or hydraulic device for pressing the knife against the drum
- Discharge screw

Benefits

- Continuous process
- Easy operation and maintenance
- Low investment costs
- Low maintenance costs
- Low power consumption



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