

CR



CRYSTALLIZER

From 150 to 4,000 dm³

CR assures best crystallisation, improving the drying phase. The design has been specifically developed to exceed the material glass transition temperature and to guarantee homogeneous crystallization, assuring optimal flow of the material.

Crystallising hoppers are equipped with high efficiency planetary motor gears to guarantee low rotation speed of the vertical paddle shaft and minimize dust creation.

The vertical shaft is assembled with screw connections between the different paddle groups, in order to facilitate maintenance and the substitution of each single paddle.

The process is kept under control with a complete set of temperature probes and level sensors.

The access to the inner part is facilitated by a large hinged and insulated door and by the removable cone (configuration according to size).

CR crystalliser can run both with flakes and granules.



Suitable for granules, flakes and regrind materials



Robust and reliable



Homogeneous agitation of the material

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Level sensors

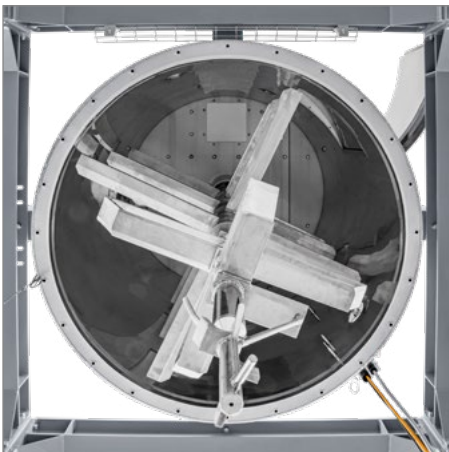
100% working level and extra max safety level; capacitive or vibrating type available

Feeding and discharging devices

rotary valves at crystalliser inlet and outlet or VA1/VA2 suction box for granules or VAH1/VAH2 suction valve for flakes

Options

50% working level for reduce throughput, vertical shaft with adjustable speed, temperature probe on process air return, Modbus or Profibus communication interface



Low speed rotating paddle shaft to keep material moving, with the minimum generation of friction and dust



Upper and lower rotary valves available as option to manage the feeding and the material discharge operations



Inspection door for cleaning and maintenance operations, with insulation layer and anodised aluminium external covering

	Hopper volume (dm3)	Hot air dryer model	Flakes configuration
CR150	150	ESP20	Yes
CR200	200	ESN40	
CR500	500	ESP60	
CR1000	1,000	ESP120	
CR1300	1,300	ESP150	
CR2000	2,000	ESN200	
CR3000	3,000	ESP300	
CR4000	4,000	ESP400	