CRN series

2UMK107EN00 (09/23)

EN

The crystallizers of the CRN series have been designed to process PET in amorphous granules and regrind of bottles, etc.

There are 9 models with capacities ranging from 300 to 800 dm3 .

TECHNICAL CHARACTERISTICS

- Siemens PLC control unit and touch screen operator interface.
- Stainless steel hopper equipped with a vertical mixing system. Operated by epicycloidal gearmotors with a low number of revolutions.
- High-efficiency sound-proofed fan.
- Electrical heating chamber or heat exchanger.
- Cyclone installed on the return pipe of the process air.

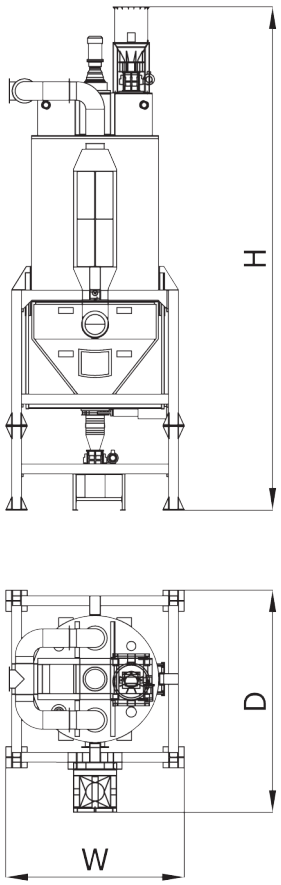
ACCESSORIES:

- Rotary valves for loading and unloading material.
- Pneumatic feeding and extraction system.
- Oil-condensation system.

ADDED VALUE:

- Uniform crystallization of the polymer without any degradation.
- Purification of the oils contained in the regrind material.
- Indispensable its application before extrusion processes on single-screw and bi-screw extruders. It makes the process stable and prevents the loss of IV.
- The perfect choice to restore the values of crystallinity of materials after granulation processes..

Plastic Systems S.r.l. assumes no responsability for any errors or inaccuracies in the contents of this calogue and reserves the right to make changes to the products without prior notice.



Technical data

	Unit of measure	CRN50		CRN300		CRN600		CRN1000		CRN1500		CRN2000		CRN3000		CRN4000		CRN7000	
Type/Shape of PET		GR	SC	GR	SC	GR	SC	GR	SC	GR	SC	GR	SC	GR	SC	GR	SC	GR	SC
Throughput	kg/h	25	15	125	80	250	160	400	270	600	400	800	550	1200	800	1600	1000	2800	1800
Airflow rate	m³/h	60		300		600		1000		1500		1500		2500		3200		5600	
Mixing shaft rotation	rpm	2.5		2.5		2.5		2.5		1.5		1.5		1.5		1.5		1.5	
Static pressure Δp	mbar (20°C)	60		60		60		100		100		100		140		140		140	
Diameter of pipes	mm	50		89		89		200		200		200		250		250		300	
Heating power	kW	3.5		14.4		14.4		27		54		54		81		108		162	
Gearmotor power	kW	0.25		1.5		1.5		1.5		2.2		2.2		4		4		7.5	
Installed power	kW	4.5		23		23		35.1		72.3		72.3		119		146		200	
Dimensions	H	1995		3531		4229		4900		5200		5550		5800		6321		7554	
	D	1210		968		968		1860		2144		2144		2800		2800		2800	
	W	855		968		968		1317		1570		1570		2120		2120		2200	

GR = Granules
SC = Flake

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