

DEHUMIDIFYING DRYERS - SERIES SD

DRYING OF ENGINEERING POLYMER GRANULES AND REGRIND

- > Fully Automatic
- > Dew-Point down to -40°C
- > Stainless Steel, High-Efficiency Drying Hopper
- > Long-Life Desiccant Cartridge
- > Large-Area Return-Air Filter
- > Machine or Floor Mounted
- > Customised to Suit Special Requirements

> DESCRIPTION

The SD range of Dehumidifying Dryers is fully automatic, single-desiccant cartridge design, available in 2 models with throughputs up to 50 kg/hr.

The Drying Hoppers are fully insulated, have high-efficiency diffusers, sight-glass, drain-out, shut-off slide and hinged cover with universal mounting for a hopper loader. They are available in sizes up to 300 litres capacity.

The system is complete with hoses etc. and may be mounted on the machine-throat or on a portable floor-stand.

Jenco offers a wide range of Multi-Hopper and other custom arrangements to suit specific requirements.

We also offer a full range of Automatic Hopper Loaders, including Quick-Material-Change Systems.

! Jenco also offer a wide range of Hopper Loaders, Gravimetric Blenders, Hot Air Dryers, Twin-Desiccant Cartridge Dehumidifying Dryers, Crystallisers, Drying Hoppers up to 10,000 litre capacity and Complete Central Systems



> OPERATION

The integral side-channel blower generates highpressure air-flow through the desiccant cartridge, through the process heater and into the drying hopper. The air diffuses through the material and exhausts via the top of the drying hopper, through a large-area cartridge filter and back into the blower.

After a preset timed period, the blower reverses and regenerates the desiccant bed. The direction of air-flow is controlled by non-return valves and does not require the use of a spool valve.

The controls provide digital setting and display of process temperature and include an overtemperature alarm. Also included are indicator lights showing system status and an alarm for blocked filter.

A 24hr timer and an hours running meter are available as optional extras.

TECHNICAL DATA

DEHUMIDIFYING DRYERS

		SD65	SD125
Voltage		220/1/50hz	400/3/50hz
Total installed power	kW (MT/HT)	2.8/3.9	5.8/6.5
Process Heater	kW (MT/HT)	1.4/2.5	3.5/4.5
Regen. Heater	kW	0.2	0.4
Process air flow	m ³ /hr	30	60
Process Temp. Range	°C	140 to 190	140 to 190
Dimensions WxHxD	mm	280 x 580 x 610	320 x 680 x 670
Weight	kg	45	60
Suitable Hoppers		HR30 to H80	HR60 to H300

DRYING CAPACITIES Presuming correct residence time

Material	°C	Hrs	SD65	SD125
ABS	80	3	14	40
CA	75	3	11	30
CP	70	6	9	26
PC	120	3	16	43
PE	80	2	9	25
PET	160	4	7	20
PI	140	2	18	50
PMMA	80	3	14	37
PP	90	2	11	31
PPO	>90	2	14	40
PS	80	2	18	50
PSU	120	3	17	46
PVC	65	2	18	50
PA6	70	5/6	10	28
PA66	85	5/6	9	24
PUR	90	3	11	30
SB	80	2	17	46

For information on drying other materials please consult our Technical Sales Team

DRYING HOPPERS

	HR30	HR60	H60	H80	H100	H150	H200	H250	H300
Litres	30	60	60	80	100	150	200	250	300
Dia.	400 x 500	400 x 500	460	460	580	580	650	650	650
Height	935	1085	880	1030	870	1170	1225	1425	1635
Weight kg	35	40	30	33	43	50	72	80	90
Door	No	No	No	No	Option	Option	Yes	Yes	Yes

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