D820-D840 series

EN

Resin dryers

The resin dryers of the D series are equipped with TWIN-TOWER technology and offer process airflow rates ranging from 2000 m^3/h up to 2800 m^3/h with dew point up to - 50 °C so as to satisfy any production requirement.
The perfect solution for processing hygroscopic polymers in small and medium productions.

TECHNICAL SPECIFICATIONS:
- Microprocessor control unit with LCD display and easy programming (type of material selectable from a database and hourly consumption).
- Single-hopper or multi-hopper configurations.
- Control of the regeneration cycle.
- Automatic shutdown to prevent the degradation of the granule.
- Automatic valve to control cooling water.
- Solid-state relays.
- Filters to protect blowers and molecular sieves.
- RS485 ModBus interface.

ACCESSORIES:
- Dew Point instrument.
- Colour touch screen.
- Clogged filter alarm.
- Safety control on process air.

ADDED VALUE:
- STABLE PROCESS
  Control of the process temperature with PID.

- EASY TO CONTROL
  The interface, equipped with a keypad and multi-language digital display, offers a constant monitoring of the machine and shows the main parameters such as temperature and dew point.

- AIRFLOW MANAGEMENT (AFM)
  The microprocessor, according to material and throughput, optimizes the operating parameters (airflow rate and temperature) resulting in energy saving. It also prevents the degradation of the polymer itself due to an excessive dehumidification.

2UMK026EN04 (02/20)

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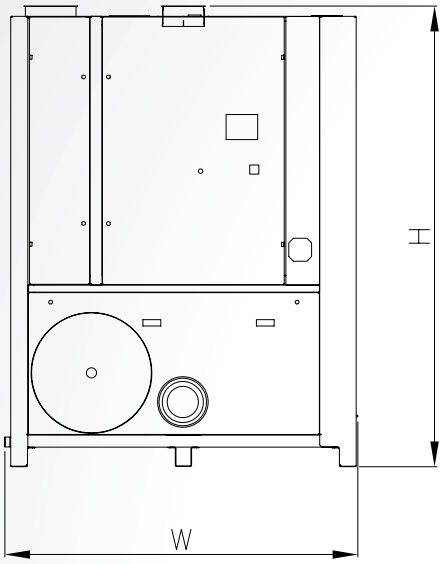
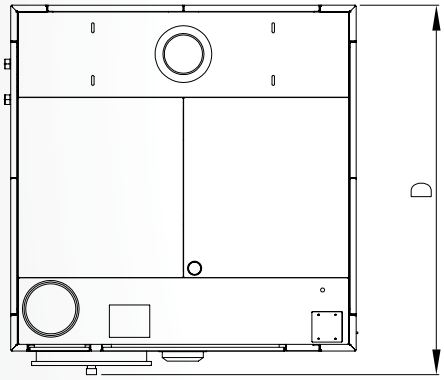
PLASTIC SYSTEMS ADVANCED PLASTIC TECHNOLOGIES

D820-D840 series

EN

Resin dryers





TECHNICAL DATA			D820P	D824P	D830P	D840P
Hopper capacity		dm^3	400 -6000	400 - 8000	400 - 12000	400 - 16000
Maximum process airflow		m^3/h	2000	2200	2500	2800
Process temperature		°C	50-190	50-190	50-190	50-190
Dew point		°C	-50	-50	-50	-50
Static pressure		mbar	250	250	200	200
Process-blower power		kW	18.5	11+11	15+15	18.5+18.5
Regeneration-blower power		kW	4	4	4	4
Regeneration-heating power		kW	24	24	24	24
Total power	CS	kW	47.5	58	59	66
	HT		115	139	140	174
Noise level		dB(A)	<80	<80	<80	<80
Voltage/Frequency		V/Hz	400/50-60	400/50-60	400/50-60	400/50-60
Dimensions WxDxH		mm	1650x1700x2220	1650x1700x2220	1650x1700x2220	1650x1700x2220
Weight		kg	1650	1700	2000	2150

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