EN

DP 619-624

Desiccant Dryers

Precision and modular configuration

Benefits:

- Single or Multi-hopper set up
- Temperature-control based regeneration cycle
- Dew Point Control
- Water Flow Control
- Automatic reduction of the process temperature
- Material consumption management
- Cooling stop
- Process airflow management
- Blowers and molecular sieves filtration system
- Solid state relays (SSR)
- Automatic set-up of the process air safety temperature
- Completely independent process air temperature safety control (temperature probe, power control and contactor)
- Warnings for the operation of the coolers (cooling water circulation only when necessary)

Double desiccant tower models, with an airflow rate from 200 to 800 m^3/h, supply air at a dew point lower than –55°C. The process air temperature can be set up to 150°C (200°C for the HT version). The DP 619 - DP 624 Dryer Series is suitable for the treatment of hygroscopic polymers for medium and large productions. The design criteria of these models allow to reach and maintain a Dew Point inferior to – 45C with constant excellent results.

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Customer oriented solutions:

Precision:

- Electronic control of the process temperature with self-tuning PID algorithm that ensures high precision.

Easy utilisation:

- Simple and complete operator interface
- Microprocessor control
- Large display available in the operator's language. It shows the functioning status of the machine as well as any possible alarm or warning message.
- On the main screen the following parameters of the dryer can be monitored: Drying temperature, Set-point, Dew Point value

Flexible and modular configuration:

- The operator can simply and easily increase the number of hoppers at any time. Hoppers capacity from 300 to 2500 dm^3; single or centralised systems.
- Intelligent Energy Supervisor: In accordance with the effective requirements of the processing machine, the IES system optimises and adjusts the energy utilisation
- Intelligent Material Drying: optimises and adjusts the energy utilisation to prevent material thermal degradation or over-drying.

TECHNICAL DATA		DP619	DP620	DP621	DP622	DP623	DP624
Process airflow *	m^3/h	200	250	350	450	650	800
Process air blower *	kW	3	3	4	4	7.5	12.5
Heating power (process)	kW	9/12*	12/15*	12/15*	19.5/23.4*	25.2/31.5*	31.5/44.1*
Regeneration air blower	kW	-	0.4	0.2	0.2	1.6	1.6
Heating power (regeneration)	kW	5.1	5.1	8.4	8.4	17.1	17.1
Total load	kW	17.5/20.5*	21/24*	25/28*	32.5/36.5*	51.8/58.1*	63.1/75.7*
Average consumption at 80°C	kWh	8	9	10	12	20	22
Max process temperature	°C	200*	200*	200*	200*	200*	200*
Dew Point	°C	-50	-50	-50	-50	-60	-60
Standard electrical connection	V/-/Hz	400/3/50 380/3/60 460/3/60					
Dimensions (LxWxH)	mm	1150x700x1930		1102x1050x2130		1350x1300x2135	
Weight	kg	450	525	550	650	820	900

* HT version

SINGLE HOPPER CONFIGURATION								
MODELS	T300	T400	T600	T800	T1000	T1500	T2000	T2500
DP619								
DP620								
DP621								
DP622								
DP623								
DP624								