EN

DP 604-615

Desiccant Dryers

Precision and modularity

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 50 to 150 m3/h, supply air at a dew point lower than –50°C. The process air temperature can be set up to 200°C (HT version).
The DP 604 - DP 615 Dryer Series is suitable for the treatment of hygroscopic polymers for medium productions. The design criteria of these models allow to reach and maintain a Dew Point inferior to –50°C 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 30 to 400 dm³; 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		DP604	DP605	DP609	DP610	DP613	DP615
Process airflow *	m³/h	50	75	70	110	100	150
Process air blower *	kW	0.25	0.25	0.7	0.7	1.3	1.3
Heating power (process)	kW	2.5 /3.5 *	2.5/3.5 *	3.5/5 *	3.5/5 *	5/7 *	5/7 *
Regeneration air blower	kW		0.2		0.2		0.2
Heating power (regeneration)	kW	2.5					
Total load	kW	5.7/6.7 *	5.9/6.9 *	7.1/8.6 *	7.3/8.8 *	9.2/11.2 *	9.4/11.4 *
Average consumption at 80°C	kWh	2.3	2.5	2.8	3.2	3.5	3.7
Max process temperature	°C	150/200 *					
Dew Point	°C	-40	-50	-40	-50	-40	-50
Standard electrical connection	V/-/Hz	400/3/50 - 380/3/60 - 460/3/60					
Dimensions (LxWxH)	mm	815x400x1354					
Weight	kg	250					

* HT version

SINGLE HOPPER CONFIGURATION							
MODELS	T50	T75	T100	T150	T200	T300	T400
DP 604							
DP 605							
DP 609							
DP 610							
DP 613							
DP 615							

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