

DP 640 - 644

Desiccant Dryers

Flexibility and energy saving

Benefits:

- Versatility of usage
- High energy efficiency
- Optimised consumption of cooling water
- Wide variety of configurations
- Simplified access to all components
- Minimum footprint
- Microprocessor control with multi-language alphanumeric display
- Precise electronic control of the process temperature with self-tuning PID algorithm
- Automatic setting of the safety temperature of the process air
- Warnings for the correct functioning of the coolers



Double desiccant tower models, provide 1000 m³/h and 1400 m³/h of dried air respectively, production range from 450 to 800 kg/h. The whole drying system works in closed loop so as to guarantee a process independent from the environmental conditions, with a Dew Point of -50°C or lower.

PIOVAN

Customers. The core of our innovation

Customer oriented solutions:

Versatility of usage:

- Can be used in different production processes, to treat also materials with particular characteristics (such as PET and PETG).

High energy efficiency:

- The patented devices for consumption management - IES (Intelligent Energy Supervisor) and IMD (Intelligent Material Drying), self-adjust the drying parameters to the real production conditions of the processing machines. They allow the costs for energy to be kept in a range from 0.05 kWh/kg up to 0.08 kWh/kg max (process temperature ranging from 80 to 120°C)

Optimised consumption of cooling Water:

- To the EMK Kit permits the operator to manage the water flow according to the set temperature.

Wide variety of configurations:

- Available in the MT (max. temperature 150°C), and HT (for a temperature range up to 200°C) versions, PTU multi-hopper version, specific configuration for PET and PTU multi hopper (maximum capacity: 4500 litres)

Minimum footprint :

- The best ratio performance/dimensions



TECHNICAL DATA		DP640	DP644
Process airflow *	m³/h	1000/1200*	1400/1500*
Regeneration airflow	m³/h	220	220
Process blower *	kW	12.5/14.5*	15/17.5*
Heating power (process)	kW	37.8/50.4*	50.4/63*
Regeneration air blower	kW	1.6/2.1*	1.6/2.1*
Heating power (regeneration)	kW	17.1	
Noise level	db	<80	
Average consumption at 80°C	kWh	23	25
Max process temperature	°C	180	
Dew Point	°C	-45	-60
Standard electrical connection	V/-/Hz	400/3/50 380/3/60 460/3/60	
Dimensions (LxWxH)	mm	1485x1440x2370	
Weight	kg	1100	1200

* HT version

SINGLE HOPPER CONFIGURATION					
MODELS	T2000	T2500	T3000	T3500	T4000
DP 640					
DP 644					

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