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DS 503 - 507

Desiccant Dryers

Compact design, efficient drying

Benefits:

- Highly efficient desiccant material
- High capacity and pressure blowers
- Safety devices in compliance with European standards
- Process airflow regulation valve
- Large capacity filters

Single desiccant tower models, with an airflow up to 80 m^3/h and able to operate with Dew Point values down to –35°C. Process air temperature up to 160°C (200°C for the HT version). They have a very compact design and ensure efficient drying for all hygroscopic and engineering polymers.

PIOVAN

Customers. The core of our innovation

Customer oriented solutions:

Compact design

Easy utilisation:
- All significant working parameters and functioning modalities can be set from the same microprocessor control panel
- Clear information: the display shows the working temperature, the set point and any alarm message.

Integrability:
- All models can be equipped with serial interface port for connection to a supervisory system.

Flexible and modular configuration:
- Can be coupled with hoppers having capacities of up to 200 dm^3.
- Can be installed on the processing machine or placed on a mobile trolley
- systems with multiple hopper set-up.

The HT version of the DS 503 - DS 507 dryers with external heating chamber, which can operate up to 200°C, is also available on request.The DS 503 – DS 507 dryers can be coupled with hoppers having capacities of up to 200 dm3. The drying hopper can be installed on the processing machine or placed on a mobile trolley. Piovan also supplies extremely compact mobile drying systems with multiple hopper set-up.

T 30 T 50

T 75 T 200

TECHNICAL DATA		DS 503	DS 507
Process airflow *	m^3/h	50	80
Power of process blower *	kW	0.1	0.2
Heating power	kW	2	3
Regeneration air blower	kW	2	3
Total installed power	kW	2.1	3.2
Average consumption at 80°C	kWh	0.75	0.95
Max process temperature	°C	160 (200*)	
Voltage and frequency	V/-/Hz	230/1/50-60	
Dimensions (LxWxH)	mm	250x550x870	
Weight	kg	43	48

* HT version

MODELS	T 10	T 30	T 50	T 75	T 100	T 150	T 200
Capacity dm^3	10	30	50	75	100	150	200
ø A mm	300	434	434	526	526	600	600
H mm	495	735	1005	1008	1238	1238	1588
Weight kg	9	17	27	40	48	58	66

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