

Product Sheet

PureSystem

Dehumidification systems



- Increased process uptime and product quality
- Enhanced drying process
- Energy efficient
- Minimal powder buildup issues
- Consistent spray dryer operation
- Year-round production
- Installation indoors and out

Creating powdered products from liquid solutions requires precision humidity control. Munters PureSystem desiccant dehumidifiers condition the inlet air of your spray dryers, no matter the outdoor conditions, increasing productivity and product quality while dramatically increasing energy savings.

Plug-and-play PureSystem drying solutions remove moisture from the inlet air of demanding spray drying applications, creating the optimal process conditions for powdered product production. PureSystem comprises cooling, heating and adsorption dehumidification technologies or a combination of all three. It is tested in Munters' production facility to verify drying efficiency, energy savings and quality standards compliance. An optional hygienic package is available for food, chemical, confectionery, pharmaceutical and other processing lines where safe, effective moisture removal is essential.

Technical specifications

	PureSystem	PureSystem 1300	PureSystem 1500
Airflow			
Nominal air flow (kg/h)		9750	16000
Minimum air flow (kg/h)		4875	8000
Max system air flow (kg/h)		10750	17600
Max rotor air flow (kg/h)		13000	21500
	PureSystem 2000	PureSystem 2500	PureSystem 3000
Airflow			
Nominal air flow (kg/h)	27000	42500	62500
Minimum air flow (kg/h)	13500	21250	31250
Max system air flow (kg/h)	32400	51000	68750
Max rotor air flow (kg/h)	36000	56500	83500
	PureSystem 3500	PureSystem 4000	PureSystem 4500
Airflow			
Nominal air flow (kg/h)	90000	120000	150000
Minimum air flow (kg/h)	45000	60000	75000
Max system air flow (kg/h)	99000	132000	165000
Max rotor air flow (kg/h)	120000	160000	200000

Options

- Configurable pre- and post treatment
- Filters: G2-F9, E10-H14
- Outdoor version
- Process fans
- Regeneration (gas, electric, steam, heat)

Accessories

- PureHP
- PureSound