



SOMOS® Dry Air Generator D-Series 900/1400

Also available D-Series 300/500

Application

Dry air generators of the SOMOS® D-Series are used for drying hygroscopic plastic pellets. In combination with one or more drying bins, which are individually adapted to the production conditions, a SOMOS® Central Drying System fulfills highest standards in terms of throughput, drying quality and energy savings.

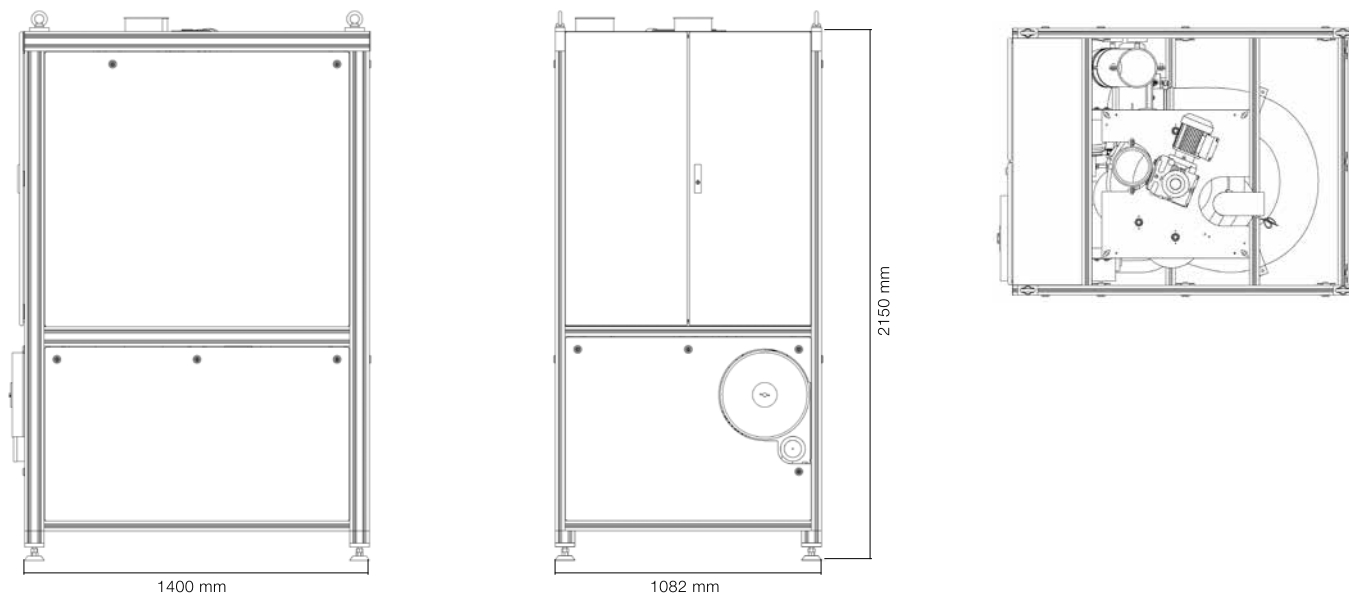
Features

- Stationary dry-air generator work with the carousel principle
- Constantly low dew point regardless of seasonal and climatic changes
- Energy savings through automatic adjustment of the dry air volume by measurement of the materials moisture level and throughput
- Minimal demand of regeneration energy by using the moisture-dependent automatic control
- Operator-friendly Siemens S7 control with automatic optimization of drying parameters depending on throughput rate
- Modular and compact design
- No compressed air connection required
- Easy installation and operation

Options

- High-temperature version (HT)
- Software for data entry
- Dew point measurement and display
- Micro-filtration of the dry air
- Condensate separator

Technical Data (example D-Series 900/1400)



Dry air volume D300	m³/h	100 up to 300
Dry air volume D500	m³/h	200 up to 500
Dry air volume D900	m³/h	300 up to 900
Dry air volume D1400	m³/h	500 up to 1,400
Dry air temperature		
Standard	°C	60 – 140
HT-version*	°C	60 – 200
Dew point		
	°C	up to -35
Installed power		
Process blower D300/D500	kW	1.5/2.2
Process blower D900/D1400	kW	5.5/7.5
Regeneration heating	kW	15
Regeneration blower	kW	0.7
Carousel drive	kW	0.12
Power Supply		3 N PE AC 50 Hz 400 V

Cooling water (HT-version)		
Pressure	bar	2 – 4
Temperature	°C	8 – 12
Requirement		
Full load dryer (70 – 100 %)	m³/h	0
Partial load dryer (0 – 70 %) D300/D500	m³/h	3.0/2.4/1.8/1.2
Partial load dryer (0 – 70 %) D900/D1400	m³/h	8.4/6.6/5.4/3.6
Energy consumption (Example: PC/drying air 120 °C)		
Drying	kW/kg	< 0.05
Regeneration	kW/kg	< 0.01
Paint		
	RAL	5018
Weight standard version D300/D500	kg	370
Weight HT-version D300/D500	kg	400
Weight standard version D900/D1400	kg	540
Weight HT-version D900/D1400	kg	600

* optionally

Just contact us for any further information.

ProTec Polymer Processing GmbH
Stubenwald-Allee 9
64625 Bensheim
Germany

T +49 6251 77061-0
F +49 6251 77061-500
info@sp-protec.com
www.sp-protec.com