



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.

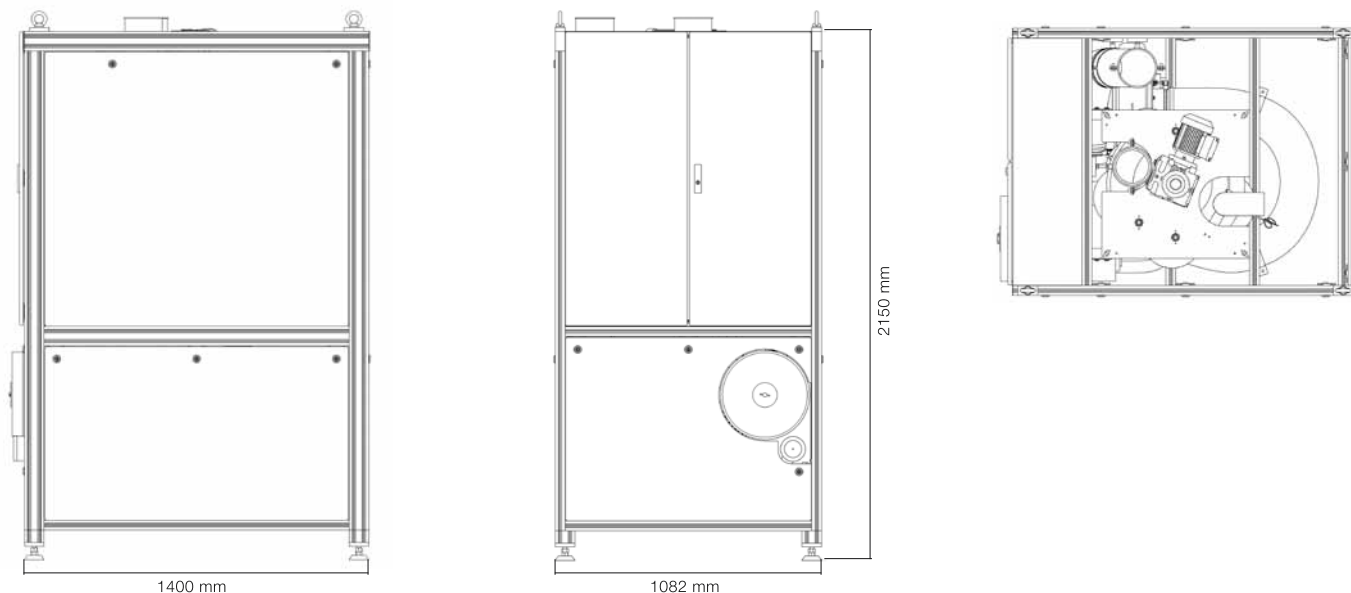
Features

- 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

Are you interested in receiving additional information?
Then feel free to call us.

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