

Product Information

Four – Chamber – Desiccant – Dryer TTM 4 / 50 EST

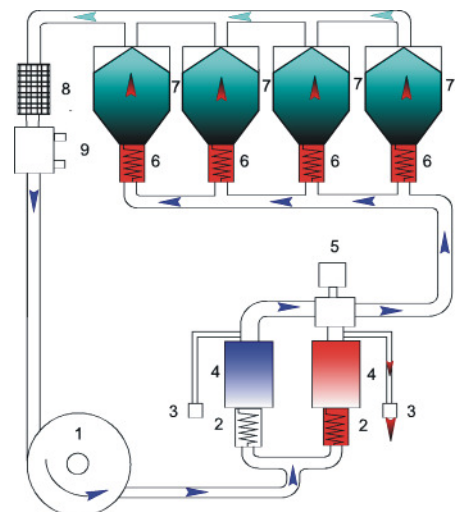
Application Area

The four chamber desiccant dryer TTM 4/50 EST is used for fully automatic drying of all plastics if these do not give off volatile components during the drying process. The dryer operates in a temperature range of 60 °C to 160 °C, +/- 2 °C. Residual moistures of < 0.02 % can be achieved. The TTM 4/50 EST is a compact desiccant dryer. It consists of a dry air generator with 4 separately heatable material containers in a body, and the SPS control which is built in the switch box on the side. The functional diagram (see drawing below) shows the principle of the drying process of the desiccant dryer in a closed air recirculation system. Part of the air from the air recirculation system is required for regeneration of the desiccant chambers. Automatic operation of the regenerating, cooling and drying phases in the TTM 4/50 EST is achieved by the integrated time control unit.

* Please ask the producer of the material for the characteristics of the drying material.

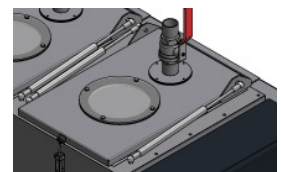


1. Fan
2. Regeneration heating
3. Waste valve
4. Molecular sieve
5. Engine valve
6. Granulate heating
7. Material container
8. Filter
9. Back air cooler



Standard Features:

- Siemens Touch Panel 4.3 "with SPS S7-1200 CPU
- Mobile compact installation, of capacity 4 times 50 liters, and fully insulated inner containers
- Automatic control in the side of the unit attached cabinet
- Automatic fan runs after turning off the dryer.
- Time switch, each chamber can be start individually with the timer
- Individually heatable granular container controlled by the integrated PLC.
- Removable sieve container made of stainless steel 1.4301
- Easily accessible and replaceable air filter
- Unloading facility and Saugfördereranschlußaufnahme the outlet slide
- Two chamber molecular sieve unit for continuous drying of the granulate
- Air-air heat exchanger for Rücklufkühlung.- no water connection necessary
- **All four lids are equipped with 2 gas springs each**





Product Information

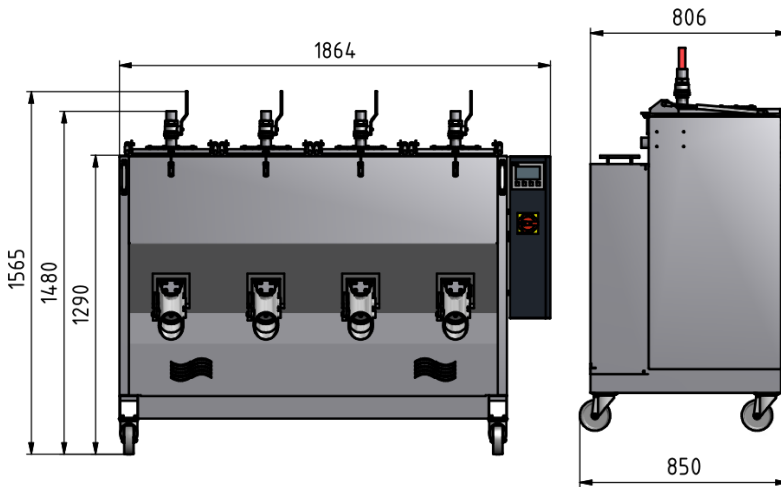
Technical Data

Mechanical Data

Dimensions (H/W/D) mm	1565 x 1864x 850
Weight kg	350
Cover fill height mm	1300
Capacity liters	4 x 50
Drying temperature °C	60 - 160
Residual moisture %	< 0.02
Drying capacity kg/hr	5 – 16

Electrical Data

Connected load V / Hz	3 x 400/50
Power consumption kW	12.4
Current consumption A	21
Regeneration heater kW	3.5
Granular material heater kW	2.0
Fan power kW	0.9
Fan flow rate in m ³ / h	168



SPS Display

The dryer is equipped with RAL 7004 light gray textured paint and the equipment cabinet and cover RAL 7016 dark gray finish.

Other color shades can be selected at an additional charge if required.

Accessories

Single suction tube ES 2

Made of galvanized steel for sucking material from the dryer to the processing machine.

Double Bolt Opening DAS 2

to connect two conveyors to the chamber

Conveyer GKS 50

Single component conveyer with 230 V fan

Additional sieves To hook in the chambers

With 5-, 8- and 11 liters capacity

5 liters capacity TE 5

8 liters capacity TE 8

11 liters capacity TE 11

Extra equipment at additional charge:

sieve container 15, 20, 30, 40 liter