

Series LTC

dehumidifying system for technical polymers



Standard features:

- ✓ Small mobile dryer with great performance
- ✓ Compact unity with integrated drying hopper
- ✓ Dryer for small and middle processing companies
- ✓ Sensor-supervised expiries
- ✓ Automatic regeneration of the tower filled with zeolite
- ✓ From influence of the weather independent approach
- ✓ High operational safety

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Art.-No.	Description	Thruput	Airflow	Hopper-volume	Heating power	Total-power	(BxTxH)	Weight*
2019.08	LTC 40-50	15-30 kg/h	45 m³/h	50 Liter	3,4 kW	4,0 kW	43 x 110 x 144 cm	125 kg
2017.08	LTC 40-80			80 Liter			43 x 110 x 154 cm	135 kg
2018.08	LTC 40-125			125 Liter			43 x 110 x 194 cm	150 kg
2030.08	LTC 63-80	25-40 kg/h	65 m³/h	80 Liter	4,5 kW	4,5 kW	43 x 110 x 154 cm	140 kg
2031.08	LTC 63-125			125 Liter			43 x 110 x 194 cm	155 kg
2029.08	LTC 100-125	40-80 kg/h	100 m³/h	125 Liter	4,5 kW	6,3 kW	43 x 110 x 154 cm	180 kg

Supply voltage 3 x AC 400 V, PE 50 Hz

LANCO- mobile dryers series LTC

Modular dryers LTC consist of a desiccant dry air generator and a drying hopper as a mobile unit and are designed for automatic pre drying of granulated plastic materials by very dry air at adjustable temperatures due to the different resins. As result of the right drying temperatures and the necessary residence times very low track moisture levels are achieved for best yield figures. The automatic drying procedure is fully controlled by microprocessors and the necessary sensors for temperatures, air stream etc. This guarantees a high safety standard and improves the quality level of the final products.

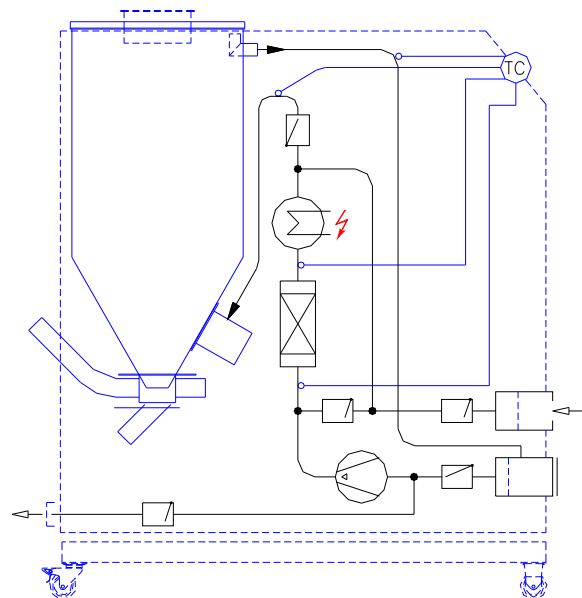
Material	Drying temperature °C	Drying time
ABS	80	2 - 3
CA	75	2 - 3
CAB	60	2 - 4
CP	60	2 - 4
PA 11 12	70 - 110	4 - 5
PA 6.x	70 - 110	4 - 6
PBT	140	4 - 5
PC	120	2 - 3
PE gefüllt	40 - 90	1 - 4
PEEK	150	2 - 4
PES	150	2 - 4
PET	140 - 180	3 - 6
PETG	50 - 70	4 - 5
PI	120	2 - 3
PMMA	80	3 - 4
POM	100	2 - 3
PP gefüllt	90	1 - 3
PPO	100 - 120	1 - 3
PPS	150	2 - 4
PSU	120	2 - 3
PUR	90	2 - 4
PVC	70	1 - 2
SAN	80	2 - 3
SB	80	2 - 3

Drying Hoppers:

The drying hopper is an important component of the mobile dryer units. It is designed in such a way that equal flow of the granulated resins during the necessary residence time of the products is given. Heat losses are minimized by fully insulation of the hopper and the flow out cone with suction pipe. For automatic filling of the drying hopper its lid is equipped with a flange where a Lanco hopper loader can be easily fixed. For automatic transport to the processing machine a suction pipe 40mm Ø is integrated in the drying hopper outlet zone.

Functions:

During the drying mode dried air at constant temperature flows through the granulated resin in the hopper. As consequence of the high water pressure difference between the resin and the process air the internal moisture comes fast to the surface of the granules and is taken over by the vertical air stream in the hopper. The return air from the drying hopper is now send trough a desiccant bed where the moisture is absorbed by molecular sieve granules based on enriched Zeolithe crystals. In a closed loop circuit the process air now is heated up again to the selected drying temperature and goes back to the drying hopper at very low dew point. The absorbed moisture is driven out from the desiccant from time to time in a regeneration cycle and the water molecules are given back as water steam to the surrounding atmosphere.



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