LHD - SERIES

Labotek Hot Air Dryer
Drying of free-flowing granular plastic materials

Labotek
Power in Plastics

LHD - Labotek Hot Air Dryer

Introduction

The Hot Air Hopper Dryer, LHD, is a hot air dryer used for drying the surface of raw free-flowing plastic granules. Usage of the LHD is always advisable for non-hygroscopic materials.

The LHD will ensure the input of material set temperature, giving the advantages such as:

- Improve surface finish
- Reduces requirement of holding and injection pressure
- Consistent charging time and pressure

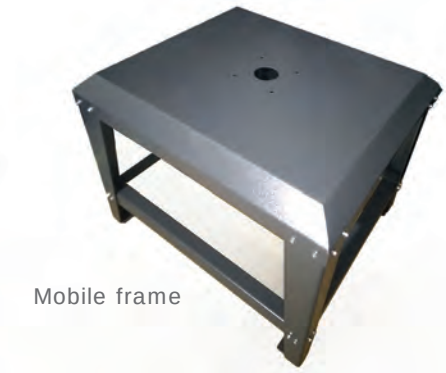
Standard features & advantages

- Insulated Hopper dryer save the heat loss and thus power saving is achieved
- Insulation thickness is more than 25 mm
- Stainless steel construction hence can be used for food grade and medical applications
- Cleaning window for material change Hopper magnet is in standard scope
- Highly Precise PID temperature controller
- Over heat protection relay
- Hopper loader mounting arrangement
- Machine mount is standard
- Scheduled ON / OFF timer

Optional features

- Mobil frame with catch box and wheels
  LT no. 103180

The insulated drying hopper saves power



Mobile frame

Catch box

Technical specifications

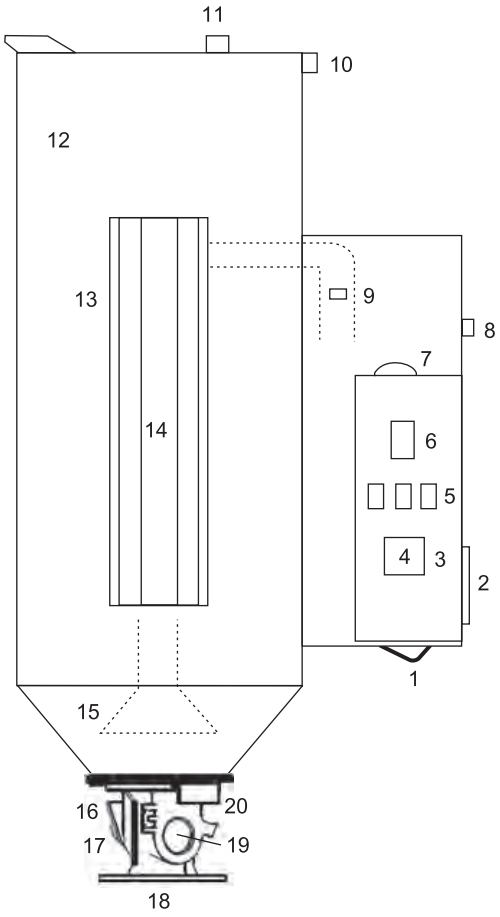
Model	Liter	Heater (KW)	Blower (KW)	External dimensions in mm (L x W x H)	Weight (kg)	LT no.
LHD 40	40	4.2	0.120	620 x 680 x 1085	50	103075
LHD 80	80	4.2	0.120	620 x 680 x 1085	60	103076
LHD 120	120	4.2	0.120	680 x 790 x 1430	65	103077
LHD 160	160	7	0.150	740 x 970 x 1560	70	103078
LHD 230	230	7	0.155	770 x 1020 x 1730	80	103079
LHD 300	300	12	0.380	920 x 1120 x 1980	100	103080
LHD 380*	380	12	0.380	950 x 1170 x 2080	130	103081

*) Incl. floor stand

LHD drying temperatures and timings

Polymer	Recommended drying temp. °C	Recommended drying time [h]
ABS	80	2-3
POM	100	2
PMMA	80	3
IONOMER	90	3-4
PA6/66	75	4-6
PA11	75	4-6
PA12	75	4-5
PC	120	2-3
PU	90	2-3
PBT	130	3-4
PE	90	1
PET	160	4-5
PPO	110	1-2
PI	120	2
GPPS	80	1
PSU	120	3-4
PVC	70	1-2
SAN	80	1-2

As the LHD operate on ambient heated air, the final residual humidity will always depend on the relative humidity.



1 Thermocouple
2 Blower with air regulation
3 Control box
4 24 hour timer
5 On/Off switches
6 Temperature controller
7 Alarm
8 Protector for overheat
9 Heater
10 Fastener
11 Exhaust pipe
12 Heating barrel
13 Cleaning door
14 Sight case
15 Hot air flow
16 Small draw plate
17 Feeding port
18 Base
19 Hopper magnet
20 Big draw plate

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2 years warranty

Labotek offers 2 years warranty
- excluding wear parts

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Representive

The specifications in this document are subject to change without notice.