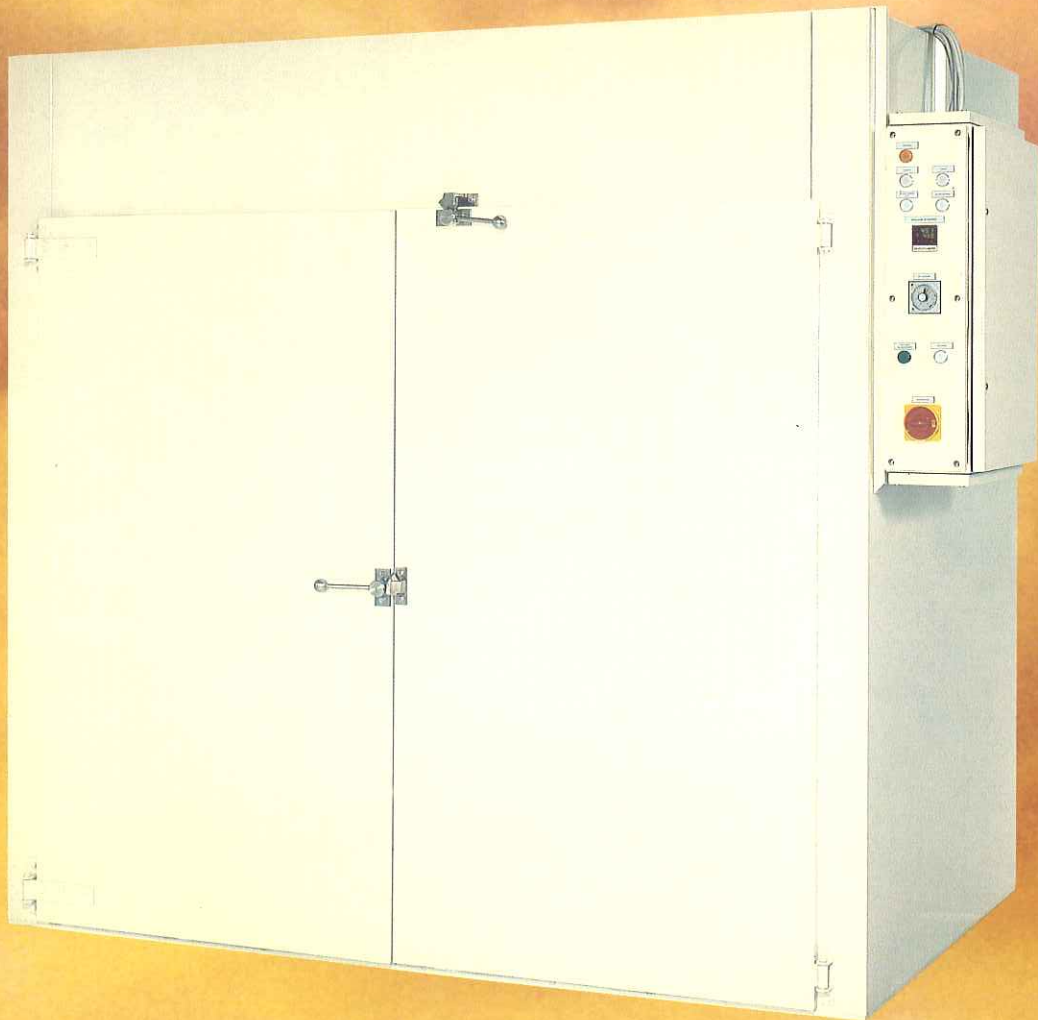


DRYING & HEAT TREATMENT



LYTZEN



CB oven with fixed tray supports

Applications for Lytzen ovens

Lytzen manufactures hot air ovens for all types of applications within the Industry. We have more than 50 years of experience constructing ovens according to customer requests. This brochure is only an introduction to our ovens. The Lytzen ovens are used for tempering, heat treatment, sintering, stress relieving and drying.

Reliability

Only high quality worldwide recognized components are used in Lytzen ovens. The result is long life time and low maintenance costs.

Design

Lytzen ovens are constructed of steel and insulated with Rockwool insulation. The ovens are based on the principle of convection. The special design of the oven provides a sophisticated air flow, ensuring a unique temperature distribution. Depending on the products to be treated, the oven can be constructed with horizontal or vertical airflow. The Lytzen oven can be heated by electricity, steam, hot water or hot oil.

The control function of the Lytzen oven is designed, for ease of operation. Equipment for documentation of the production cycle is, of course, available. The reliability of the equipment is of the highest priority, and all our ovens are equipped with safety thermostat. Furthermore solid state relays on the heating circuit are standard, sparing the contactor and providing extended security.



The Lytzen tunnel oven

Tunnel ovens

Lytzen tunnel ovens are constructed according to the same principles of air distribution as the chamber ovens and are used for all kinds of applications.

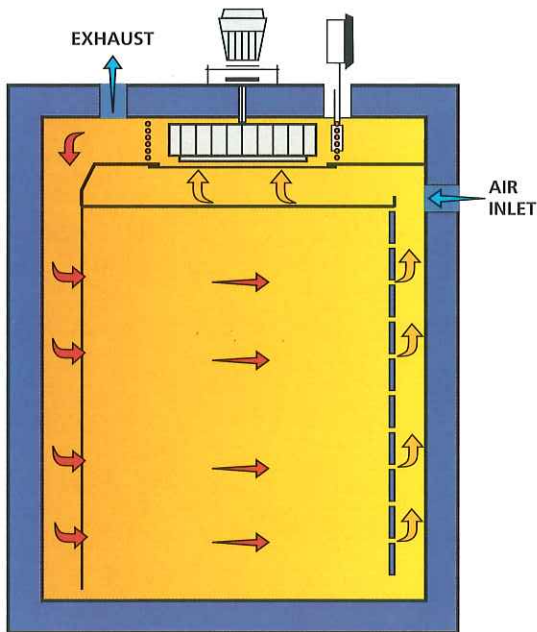
Lytzen specializes in tunnel ovens for extension and fixation of monofilament, tapes, packing straps etc.

Optional features

- Stainless steel inside and/or outside
- Fully welded
- Pass-through design
- Door interlock system
- PLC-control system
- Programmable controller
- Temperature deviation $\pm 0.5^{\circ}\text{C}$
- Forced cooling
- Test ports
- Ex-proof execution



J-oven. Loading by mobile racks.



Principle of air circulation with horizontal air flow.
Also available with vertical air flow.

Loading - accessories

Lytzen ovens can be loaded by:

- Trays inserted on supports inside the oven.
- Mobile racks can be pushed into the oven using ramps, rails in the bottom of the oven, or by a transfer trolley.
- Fork lifts.

Lytzen supplies a full line of loading equipment for all Lytzen ovens.

Lytzen - first class service

At Lytzen we consider competent service an important element in providing the best quality for our customers. Through our well established network of agents and our own factory, we can offer fast, quality service. We know the importance of fast delivery of spare parts and quick technical assistance. We also offer technical support during installation and validation.



The Lytzen tunnel oven

Data Sheet

OVEN TYPE	OVEN DIMENSIONS						TOTAL CHAMBER VOLUME M ³	TRAY SUPPORTS	MOBILE RACK NUMBER /TYPE	HEAT EFFECT kW	MOTOR EFFECT kW
	INSIDE FREE			OUTSIDE OF CABINET							
	W mm	D mm	H mm	W mm	D mm	H mm					

DRYING AND HEAT TREATMENT OVENS, MAX. TEMPERATURE 225°C

CB	600	810	1500	1045	1010	1980	0.73	21		9.6	0.75
CBM	2x290	810	1500	1045	1010	1980	0.70	2x21		9.6	0.75
C	685	810	1500	1175	1010	1980	0.83		1/C	9.6	0.75
EB	2x600	810	1500	2020	1010	1980	1.46	2x21		14.4	1.5
E	2x685	810	1500	2190	1010	1980	1.66		2/C	14.4	1.5
H1	900	1200	1500	1390	1400	1980	1.62		1/H	18.0	1.5
M1	1160	1200	1500	1650	1400	1980	2.09		1/M	18.0	2.2
J1	1500	1200	1500	1990	1400	1980	2.70		2/J	21.6	2.2
J1D	2x685	1200	1500	2190	1400	1980	2.47		2/J	21.6	2.2

SECTIONAL OVENS, MAX. TEMPERATURE 225°C

H2	900	2400	1500	1390	2600	1980	3.24		2/H	2x18	2x1.5
H3	900	3600	1500	1390	3800	1980	4.85		3/H	3x18	3x1.5
H4	900	4800	1500	1390	5000	1980	6.48		4/H	4x18	4x1.5
M2	1160	2400	1500	1650	2600	1980	4.18		2/M	2x18	2x1.5
M3	1160	3600	1500	1650	3800	1980	4.26		3/M	3x18	3x1.5
M4	1160	4800	1500	1650	5000	1980	8.35		4/M	4x18	4x1.5
J2	1500	2400	1500	1990	2600	1980	5.40		4/J	2x18	2x1.5
J3	1500	3600	1500	1990	3800	1980	8.10		6/J	3x18	3x1.5
J4	1500	4800	1500	1990	5000	1980	10.8		8/J	4x18	4x1.5

Listed above are our standard oven types. In principle all sizes of chambers are available.



HE-High temperature oven.

High temperature ovens

Lytzen constructs ovens with a temperature range up to around 600° C. The cabinet is also of steel construction. The insulation has been extended, and the doors are equipped with a double door gasket keeping down the temperature on the surface of the ovens. Even for high temperature ovens, the Lytzen ovens have a uniform temperature distribution.