

ZEPHYR 3-D Dryers

Economically dries the widest range of containers and 3-D items



Standard Zephyr widths:
24", 36", 48", and 60"

The all-electric Zephyr system is fully insulated to provide maximum heat retention

The Zephyr dries conventional screen inks on a wide range of 3-D parts and containers without distortion. Plastic bottles made of polyethylene, polystyrene, vinyl and other materials are subjected to recirculated heat and forced air cooling to ensure consistent results. The entrance and exit panels of the drying chamber can be adjusted to accommodate containers up to one gallon in size. (Maximum height of part is 14") A special modification is available which enables the Zephyr to handle larger containers (up to five gallon sizes.)

Small containers and parts remain upright during the drying process. The Zephyr's solid, table-top support and its nonmetallic woven-mesh Resomite belt provide a smooth journey through the drying chamber.

The cost-efficient warm air recirculation system maintains a uniform curing temperature to 250°F. Conveyor speed control also allows the operator to monitor the amount of exposure printed pieces will receive. A forced air cooling system protects the printed finish and speeds production.

Constructed of heavy-gauge metal, the Zephyr withstands the most rigorous use. It's also fully insulated, thus providing maximum heat retention.

Four Zephyr belt width models are available: 24" (61 cm), 36" (91.4 cm), 48" (121.9 cm), and 60" (152.4 cm).

Standard features

- Product Versatility** Dries 3-D parts, plastic bottles and cylinders as large as one gallon or 14" high. Ideal for polyethylene, polystyrene, vinyl and other plastics.
- Air Recirculation System** Balances the flow of recirculated air in the drying chamber for highly-efficient, low-cost operation.
- Cooling System** Uses forced air to economically speed production and protect the finished part.
- Temperature Controls** Variable range to 250°F.
- Stepless Conveyor Speed Control** Regulates length of exposure the printed piece receives in the heated chamber.

Optional features

- Additional Heat Chamber and Conveyor Lengths** To extend length of the drying chamber by 5' and 10' sections.
- 5-gallon Model** Special modification available to handle containers up to five gallons in size.

Specifications (Zephyr 3-D/Container Dryer, All Models)

- Electrical** 230 VAC, three phase, 60 CPS
- Maximum Temperature** 250°F. (on belt)
- Conveyor Speed** 2 to 5 feet per minute
- Overall Conveyor Length** 25 feet (7.64m)
- Overall Chamber Length** 10 feet (3.04m)
- Cooling Unit Length** 5 feet (1.53m)
- Conveyor Height** 31 inches (78.7cm)

MODEL	2410	3610	4810	6010
Conveyor Width	24" (60.9cm)	36" (91.4cm)	48" (121.9cm)	60" (152.4cm)
Amperage	19 kw	29 kw	38 kw	48 kw
Overall Width	40" (101.6cm)	50" (127cm)	60" (152.4cm)	—
Catalog No.	44-5550-7	44-5554-9	44-5558-0	44-5562-2
Additional 10' Chamber	44-5551-5	44-5555-6	44-5559-8	44-5563-0
Additional 10' Overall Conveyor	44-5553-1	44-5557-2	44-5561-4	44-5565-5
Additional 5' Overall Conveyor	44-5552-3	44-5556-4	44-5560-6	44-5564-8