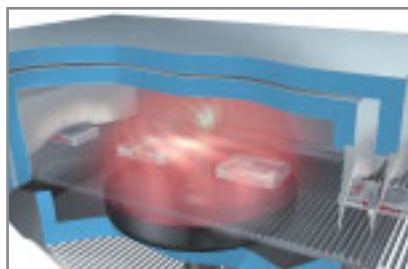


Universal, efficient – and fast

The patented concentric nozzle heating system with heat circulation and effective control of the rate of airflow (left picture). The operational parameters of the COMPACT 450 SO can be adjusted over a wide range to allow the selection of the optimum setting for any given product and film.



Facts, Data, Figures

Technical data	COMPACT 450 SO
Tunnel clearance in width:	450 mm
Tunnel clearance in height, adjustable:	80 – 200 mm
Length of the heated tunnel hood:	1100 mm
Length of additional insulation hood:	1400 mm
Working height, adjustable:	800 – 900 mm
Product transport (rod chain conveyor):	silicone coated rods, gap between rods 25 mm, rod diameter 12 mm
Conveyor speed, variable:	approx. 5 – 20 m/min
Tunnel blower capacity:	infinitely adjustable, frequency controlled
Airflow control:	patented ring nozzle system
Electronic thermostat for temperature control:	accurate within ± 0.20 °C
Power supply with protective earth:	3-phase, 400 volts, 50 Hz
Heating capacity, 2-stage, switchable (reduced in continuous operation to approx. 40 %):	9.0 + 4.5 kW
Rated power / rated current at 400 V:	14.5 kW / 21.0 amps
Colour:	Kalfass anthracite

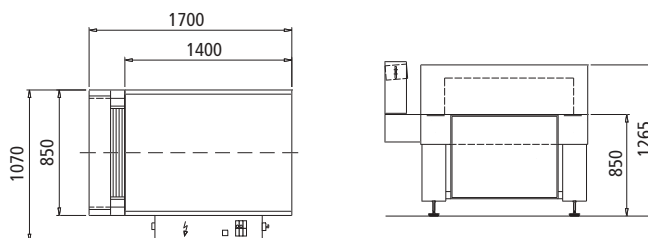
Options

- Programming of automatic start times for each day of the week
- Remote start from preceding machine with acoustic start warning
- Plugs and sockets for supply voltage and control signals to and from preceding machine
- Shut off with automatic cool down cycle, illuminated push button – heating is switched off while conveyor and blower continue to run
- Rod chain conveyor equipped with overload-clutch and visual indicator
- Selector switch: shrinking / conveying
- Lockable operator control panel
- Machine on castors
- Cooling station behind the tunnel, 300mm long, with aluminium rollers running in ball bearings
- Special cooling blower in top of tunnel outfeed
- Custom colour (single colour, structure lacquer)
- Non-standard supply voltage (see technical data for standard voltage)

Please note: In addition to the shrink tunnel specified above, the Kalfass range continues to include the Compact 650 S with a production rate of approx. 30 packs per min.

Machine dimensions

(Approximate dimensions in mm. The drawings may show options that are chargeable extras and not included in the quotation)



Comp450S O-gb-10.02 - Technical alterations reserved

Kalfass

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High Production Speed Shrink Tunnel

COMPACT 450 SO

The Compact 450 SO is an extremely compact shrink tunnel designed for high production speeds. It can handle up to 80 packs per minute. It perfects overwrapping when connected to a fully automated overwrapping machine, such as the Kalfass UNIVERSA 400 NT or Servo Jet 400/100.

The COMPACT 450 SO – just like the COMPACT 650 S – gives outstanding results when it shrinks high quality polyolefin films to produce high impact presentation

packaging. It creates eye-catching packaging for software, CD's, games or confectionery at high speeds, up to 80 packs per minute (higher cycle rates are possible for specific products).

This powerful machine is in the top league. It features a highly efficient insulation hood and an optimised temperature controller that keeps the temperature within $\pm 0.2^\circ\text{C}$ of the set temperature.

Proven components of the COMPACT 650 S have been incorporated into the design of

the "SO", for example, the patented concentric nozzle heating system. This system ensures constant, even, high velocity hot air flow.

Fast and steady heat transfer to the film ensures crease-free, tight film shrinkage. Stepless adjustable tunnel blower speed and switchable 2-stage heating enable adjustments to suit products and films, and offer potential for significant energy saving.

Kalfass
Verpackungsmaschinen