

Gallenkamp (Sanyo Weiss) Vacuum Oven

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Stock No	OR1148
Manufacturer	Gallenkamp (Sanyo Weiss)
Model	OVA031.XX1.5
Serial	C030133 / C030154
Internal Size (WxDxH mm)	320 x 370 x 265mm
Max Temp	200°C
Other Info	2 x Units available from stock
Weight (kgs)	35kgs
External Dimensions (WxDxH mm)	635 x 415 x 420mm

Description

This Gallenkamp vacuum oven is particularly useful for controlled atmosphere heating (e.g. curing of resins under nitrogen or reduced oxygen conditions). Since the inner chamber is sealed, it may also be suitable for solvent removal work, subject to adequate exhaust and ventilation conditions being provided for the oven and room respectively.

Features of the Gallenkamp Vacuum Oven Include:

Vacuum Controls

Reliable, needle type inlet and exhaust valves are fitted. These are situated near the bottom front corner of the oven for convenient connection to a vacuum pump, vapour trap or exhaust. The serrated nozzles accept flexible vacuum tubing of 10-12mm bore. A vacuum gauge is fitted showing vacuum pulled, from 0 to 1000 mbar.

Tough Construction

The outer case is tough, stoved epoxy-polyester painted steel, to look good even under the most demanding working conditions. The vacuum chamber is a robust light alloy casting supplied with two shelves and three shelf positions. The chamber is heated by large area heater panels strapped to its outer surface

Glass fibre insulation maintains safe, low outer case temperatures. The chamber is closed by a 12.5mm thick toughened glass plate sealing onto a silicone rubber gasket. This glass plate is mounted onto the door by 4 spring-loaded pins to ensure an excellent, even seal to the chamber. Door closure is achieved via a strong and positive twist action latch. As an extra safety precaution a 4mm thick shatter resistant polycarbonate safety shield covers the door window.

Temperature Control

Temperatures up to 200C is possible with the inbuilt main controller and an independent over-temperature safety circuit that protects sensitive samples from over-heating.

Versatile

By using reduced pressure, the Gallenkamp Vacuum Oven enables heat sensitive materials to be dried at low temperatures. Alternatively, more stable samples may be dried more rapidly at higher temperatures, without fan circulation.

Specifications:

Capacity, Litre 31
Temperature Range 30 to 200C at ambient temperatures less than 25°C
Power Rating, Maximum, W 1000 nominally @ 240V
Number of Shelves Supplied 2
Number of Shelf Positions 3
Interval Between Positions, mm 75
Internal Dimensions (W x D x H), 320 x 370 x 265mm
Overall Dimensions (W x D x H), 635 x 415 x 420mm
Weight, Kg 35
Tubing Connections 10-12mm Bore
Leakage Rate (at 0.01 mbar) 10 mbar/24 hr
i.e. 4×10^{-6} mbar/l/s

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.

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