



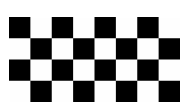
PANINI

ENGLISH 

**HOT OIL
HEATING**



COMPOSITE FIBER AUTOCLAVE



FORMULA-1-0



WITH DIATHERMAL OIL HEATING

FORMULA-1-O

Composite fiber curing autoclave featuring con diathermal oil heating through a closed-circuit oil radiator. Used for carbon-based composite fiber curing, for construction of body panels for Formula-1 race cars and luxury sports cars, panels and helmets for motorcycles, ultra-light structures for racing bicycles, and many structures for the aerospace industry. Oil heating offers the lowest operating cost per cycle, compared to gas or electric heating, and is recommended for larger production runs.

CHARACTERISTICS

- Diameter from 1200 to 5000 mm
- Length from 2000 to 20.000 mm
- Temperature up to 250°C
- Pressure up to 10 bar
- Heating by diathermal oil radiator bank
- Water-cooled through an aluminum/copper heat exchanger
- European PED approved pressure shell
- Fan-forced air circulation, for $\pm 2^\circ\text{C}$ temperature uniformity
- Inside insulated with ceramic fiber with steel sheet finishing
- Compressed air overpressure (optional nitrogen system)
- Manifold flange for inserting temperature probes to record ambient and product temperature, in number requested



STANDARD ACCESSORIES

- Cycle cut-off safety system to protect workers who enter the autoclave (for $\varnothing 1600$ and above)
- Vacuum pump



CONTROL PANEL

Several models of control panel for different system capabilities, with optional integrated industrial PC or external PC supervision.

BAG VACUUM SYSTEM

- $\frac{1}{2}$ " tube attachments for bag vacuum/vent control, in axial or vertical layout, in number requested
- $\frac{1}{2}$ " tube attachments for bag vacuum check, in number requested
- Optional bag vacuum recording system
- Optional automatic vacuum/vent/check system with pressure transducers and pneumatic valves

OPTIONAL ACCESSORIES

- Custom designed removable loading rack to hold product in autoclave during the cycle
- Nitrogen pressure system for flammable materials
- Vent muffler, vacuum hoods, oxygen analyzers