



# PANINI

ENGLISH 

**INDIRECT  
GAS HEATING**



COMPOSITE FIBER AUTOCLAVE

 **FORMULA-1-G** 

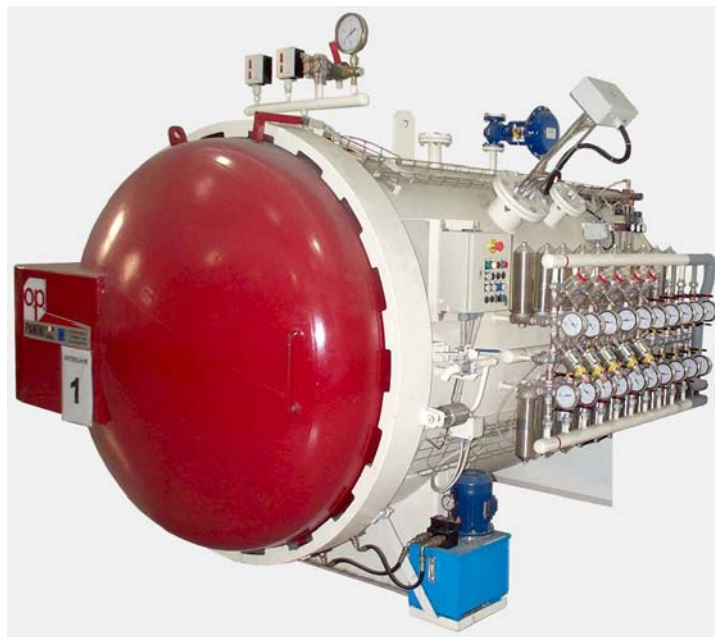
WITH GAS HEATING

## FORMULA-1-G

Composite fiber curing autoclave featuring gas heating by special gas burner and radiating heat-exchanger. Eliminates need for diathermal oil piping or heaters, and processing cost is much lower than a comparable electrical model. The gas model also features extremely quick come-up for greater flexibility on the shop floor. A good alternative to the classic diathermal oil autoclave because it simplifies installation, requires little space and no capital outlay for oil piping or heaters.

### CHARACTERISTICS

- Diameter from 1200 to 3000 mm
- Length from 2000 to 10.000 mm
- Standard temperature 250°C (others by request)
- Standard pressure 10 bar (others by request)
- Heating by special forced-air gas burner and radiating heat-exchanger
- Water-cooled through an aluminum/copper heat exchanger
- European PED approved pressure shell
- Fan-forced air circulation, for  $\pm 2^\circ\text{C}$  uniformity
- Inside insulated and finished in steel sheet
- Air overpressure (optional nitrogen system)
- Manifold flange for inserting temperature probes to record ambient and product temperature, in number requested



ADVANCED BAG VACUUM CONTROL SYSTEMS



### STANDARD ACCESSORIES

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

### 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