



Quetzal Gas QG-80

The **QG-80** has been designed to process heat- and moisture-sensitive medical devices and surgical instruments, wrapped in paper, plastic, metal boxes or pouches.

The **QG-80** incorporates two chambers, one for sterilization, located on the top of the cabinet, and one just below for submit the products to longer periods of aeration. Both chambers are the same size and they can be fully operated from the main control panel located in the front of the unit. The **QG-80** uses disposable cartridges containing enough pure EtO to reach a gas concentration of 650 mg/lit. The feeding procedure is carried out through an automatic cartridge puncturing system. Due to its intrinsically safe design, the EO puncturing system can only punctured the cartridge at a minimum chamber vacuum safe value. The system assures that the exposure phase will remain all time under a "sub atmospheric" condition. This makes the process very reliable and safe, no leaks can escape from the chamber to the working area.



FEATURES

- Sterilization chamber depth of 100 cm (39") allows for processing of extended catheters, endoscopes, or instruments.
- Control panel includes on-off switch, exposure and degassing timers, valves for automatic cartridge puncturing and selection of the following cycle phases.
 - Pre-vacuum
 - Hermeticity test
 - EO injection (system only operates under vacuum conditions.)
 - Exposure (controlled by timer)
 - Degassing (controlled by timer, one or more pulses)
 - Vacuum breack
- Aeration chamber (optional) ideal for speed up the aeration of those devices made with PVC, plastics, or latex that requires long period of aeration.
- Adjustable chamber temperature from ambient to 60°C.

WIDE RANGE OF APPLICATIONS

- Metallic set of instruments.
- Flexible endoscopes or rigid multi lumens.
- Fiber optics.
- Cardiac catheters for diagnosis and treatment.
- Gum, PVC, silicones, syringes, heart - lungs machine tubing, artificial kidneys, dialysis filters.
- Applicable also for dissimilar materials with different degassing rates.
- Electronic and photographic equipment.
- Anesthesia devices.
- Glassware from labs.
- Exclusive ISCPD Intrinsically Safe Cartridge Puncturing Device, only actuates when safe vacuum value in chamber is reached.
- High resistance baked coating.





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TECHNICAL DATA

Sterilization chamber

Dimensions

Width	30 cm	(11.8")
Height	24 cm	(9.4")
Depth	100 cm	(39.3")

Aeration chamber

Dimensions

Width	30 cm	(11.8")
Height	24 cm	(9.4")
Depth	100 cm	(39.3")

Total Weight (includes crate)	120 Kg. (264 lb.)
Power	110/220 - 50/60 Hz. 700w.
Sterilization chamber temperature	adjustable from ambient to 60°C.
Aeration chamber temperature	adjustable from ambient to 50°C.
Cartridge	70g. order code: art 106.
External dimensions	126cm (49") x 42cm (16.5") x 112cm (44").
Chamber EO exhaust port	1" BSP.
Aeration chamber exhaust port	2" BSP.
EtO abatement system	Model DR-XL , dry bed filter type.

For Ethylene Oxide emissions control, contact the **Air Pollution Control Department of Quetzal International Inc.** at info@quetzalint.com

