

*“Degrees  
Ahead in  
Quality”*



**The Model OG-120 is a desk top size purification furnace designed to supply purified Inert Gases (Argon, Helium, Neon, Xenon and Krypton) for smaller demands or for laboratory needs.**



The Model OG-120 is a self contained gas purification furnace, designed and manufactured by OXY-GON INDUSTRIES, INC., to purify inert gases to  $10^{-6}$  PPM (parts per million) of Oxygen or better. In addition to removing Oxygen, the OG-120 purifier also removes Nitrogen, Carbon and Water Vapor. By installing a special cartridge, the oxygen content of Nitrogen can be purged to  $10^{-6}$  PPM or better. The unit is designed to allow fast, easy replacement of the cartridge through a convenient front panel access door. Each cartridge can supply as much as 180,000 cubic feet of purified gas when used with standard industrial gas containing oxygen as high as 10 PPM.

The Model OG-120M is the same purifier with the addition of an Oxygen Monitor included within the self-contained chassis assembly.

**MODEL OG-120 SPECIFICATIONS:**

Electrical Requirements.....	120V/220V, 1 Phase, 50/60 Hz
Gettered Gas Purity.....	less than 10 <sup>-6</sup> PPM of Oxygen
Argon Gas Flow.....	60 LPM (128 CFH)
Helium Gas Flow.....	180 LPM (380 CFH)
Maximum Pressure.....	616 KPA (90 PSIG)
Getter Charge.....	180 grams (0.4 lb)
Power Consumption.....	1600 watts
Outgoing Gas Temperature.....	Slightly above ambient
External Cabinet Size.....	21" W x 10" H x 20 1/8" D
Weight.....	27.2 KG (60 lbs)
Rack Mounting.....	Std. 19" EIA x 8 3/4" High

**OG-120M MONITOR SPECIFICATIONS:**

Monitor Range.....	Air to less than .01 PPB (Parts/Billion)
Sample Flow Rate.....	0.15 LPM
Monitor Sensor.....	Zirconium Dioxide Cell

**MONITOR CONTROL:**

- \* An auto-ranging digital readout with manual override percent, PPM and PPB of Oxygen in gas with selection of raw or purified gas is provided.
- \* The unit can be electronically calibrated from the front panel. You can select raw or purified gas Oxygen level.

**PRICING:**

Consult Factory

**OPTIONS:**

Iron charge and regeneration kit for purifying nitrogen. Forming gas (95%N<sub>2</sub>/5%H<sub>2</sub>) is required for regeneration cycle.



For a comprehensive review of your specific requirements, please contact OXY-GON'S technical sales personnel for a customized proposal with specifications.

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