

*“Degrees
Ahead in
Quality”*



The Model OGN-80, designed primarily to reduce the Oxygen levels in Nitrogen, is also used as a standard gettering furnace which delivers inert gas or Nitrogen containing Oxygen in the PPB (parts per billion) range.

The unit is a regenerative purifier which operates with two independent purifying furnaces. This eliminates the need to interrupt production to replace an exhausted gettering charge. Instead, since the gettering charge medium is made of non-consumable material, the exhausted charge can be regenerated.

The system processes gas by running it over the gettering medium which has been heated to a temperature where rapid oxidation occurs. When the gettering medium becomes oxidized, it no longer removes the Oxygen from the gas stream. Transferring the gas flow to the other furnace will continue the uninterrupted processing of raw gas. The exhausted furnace can automatically be regenerated, purged, and placed in stand-by mode.

The Model OGN-80 will purify gas containing 10 PPM Oxygen to a level of better than 10^{-6} PPM when flowing rates up to 60 scfh. When the gas contains as much as 2000 PPM, the purity can be expected to improve to better than 2 PPM.

For user not requiring such a low Oxygen concentration, or those with gas containing higher concentrations, the regenerating process can be adjusted.

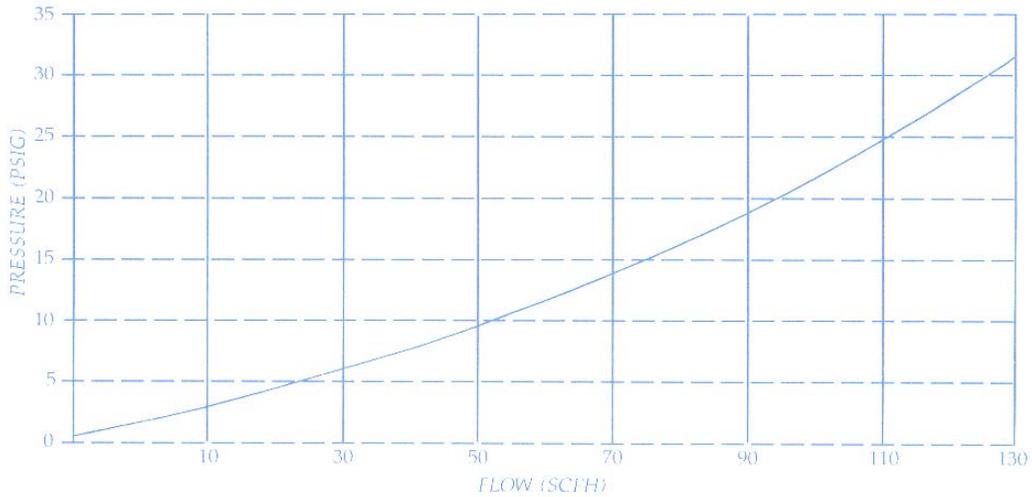
Inert gases (i.e. Argon, Helium, etc.) may also be processed with the Model OGN-80 although the Oxygen levels will not be quite as low as those achieved with a Titanium gettering charge, they can be expected to reach 10^{-6} PPM or better at flow rates below 60 scfh.



MODEL OGN-80 SPECIFICATIONS:

Electrical Requirements.....	220V, 1 Phase, 50/60 Hz, 20 amps
Power Consumption	1600 watts
Operating Temperature.....	600-800°C
Gettered Gas Purity @ 60 scfh 10 PPM O ₂ in.....	<10 ⁻⁶ PPM of Oxygen out
Gettered Gas Purity @ 125 scfh 10 PPM O ₂ in.....	<1.0 PPM of Oxygen out
Flow Rate.....	40 LPM (86 SCFH)
Push Rate.....	60 LPM (125 SCFH)
Maximum Pressure.....	616 KPA (90 PSIG)
Getter Charge	Pure Iron or Copper
Getter Charge Capacity	1900 ft ³ before regeneration
Outgoing Gas Temperature.....	Slightly above ambient
External Cabinet Size.....	18" W x 60" H x 24" D
Weight.....	61.4 KG (135 lbs)
Forming Gas Consumption	10 ft ³ per regeneration
Purge Gas Consumption	5 ft ³ per regeneration

FLOW VERSUS PRESSURE DROP:



PRICING:

Model OGN-80Consult Factory

Notes: Price is EXW (ex-works).
Pricing effective as of May 1, 2008.



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

PO Box 40
Epsom, NH 03234-0040 USA
Phone: (603)736-8422
Fax: (603)736-8734
E-mail: sales@oxy-gon.com
Internet: www.oxy-gon.com