



**Automated Gas Purifier**  
**AGP 10 - One Gas**  
**AGP 20 - Two Gases**  
**Molecular Sieve Purifier for**  
**Drying and Purifying gas :**  
**O2, He, Cl2, N2, Ar, CCl2F2**

**Features**

- The main purpose of purifying a gas is to remove water content from an inlet gas, and impurities such as : CH4, CO2, H2
- Light hydrocarbons are also removed, especially from Oxygen.
- The purifier is designed for a fully automatic service, without neither manual intervention nor chemical products exchange.
- When Nitrogen purifying, no catalysis tank is used.
- Each gas circuit includes 2 purifying tanks, tanks are similar and filled with molecular sieve.
- As one tank is working (water removed from inlet gas) other one is being regenerated (water removed from molecular sieve and sent to vent).
- Only for Oxygen a noble metal catalysis tank is used in order to oxyde CH4 and H2 impurities.



**Ratings**

- Main power Supply : ..... 120/240 Vac - 50/60 Hz
- Power consumption : ..... 2200 W
- Gas inlet fitting : ..... 1/4" VCR
- Gas inlet max pressure : ..... 16 bar
- Gas outlet fitting : ..... 1/4" VCR
- Maximum flow : ..... 50 slm
- Gas outlet pressure : ..... adjustable from 3 to 6 bar
- Compressed air or N2 : ..... 4 bar minimum  
(for pneumatic valves) : ..... 7 bar maximum
- Vent outlet fitting : ..... 1/4" VCR
- Purge flow : ..... 2 slm max (1 slm Typical)
- Dimensions L x W x H : ..... 800 X 800 X 1700 cm
- Weight : ..... 300 kg

**Typical Number Description**

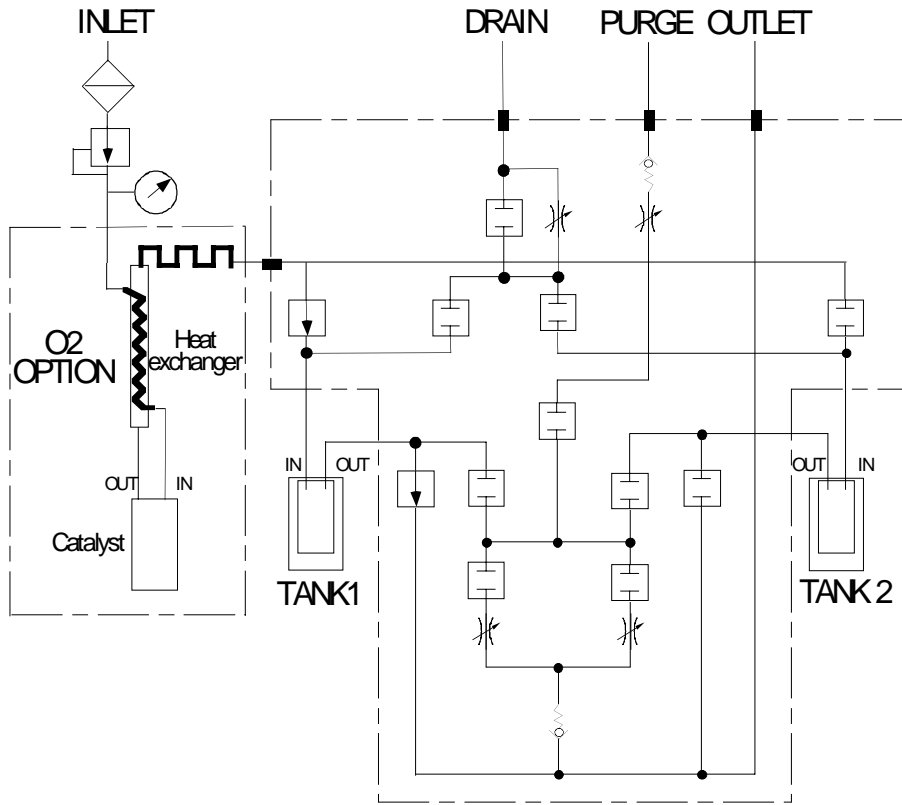
Impurity	Inlet	Outlet
H2O (H2O+H2)	10 ppm	0.2 ppm
CH4	8 ppm	0.5 ppm
CO2	10 ppm	0.2 ppm
H2	10 ppm	0.2 ppm

**Part Number description**

**AGP10 - [ g ]**  
**AGP20 - [ g ] - [ g ]**

- [ g ] - Gas
- [ Ar ] for Argon..... [ He ] for Helium
- [ CCl2F2 ] for Freon-12.....[ N2 ] for Nitrogen
- [ Cl2 ] for Chlorine.....[ O2 ] for Oxygen

# Gas Schematic



# Dimensions (mm)

