

Zero Air Generator



Model : ZA - 4000

Flow rate : 4000 ml/Min at 6 kg/cm²

Salient Features :

- Zero Air Generator for low investment
- Low Electric power consumption.
- Calibrated needle valve to adjust purge flow.
- No moving parts. Hence negligible maintenance.
- Easily installed - just make the air connection & plug in the electrical power cord.
- Skid mounted unit need no pounds.
- Pressure capacity : from 4.0 - 7.0 Kg/cm²

Tecnical Specifications :

- Moisture Content < 2 ppm
- Total Hydro Carbon < 0.5 ppm
- CO & CO₂ < 2 ppm
- Purity of Gas : UHP / GC Grade
- Micron Particulates < 0.01 Micron
- Capacity of Gas : 4000 ml/Min at 6 kg/cm²
- Method of Purification : PSA
- Dew Point : - 40°C
- Room Temperature : 5 - 30°C
- Supply : 230Volt ± 10%,50Hz

Operation of Zero Air Generators :

If the temperature of the compressed air is more then 40°C then it is necessary to provide AFTER COOLER which should ensure the outlet temperature of 40°C. During this cooling process, some moisture condenses, which is removed from Prefilter.

The HEATLESS type Zero Air Generator is the simplest & economical Zero Air Generator with Activated Alumina Molecular Sieve as the desiccant. The Twin Absorbers filled with these desiccant is assembled with 3-way, 2-way, control valves and interconnected pipings.

The unit follows the Drying sequences of 10 minutes. Here one absorber is under drying cycle for 5 minutes & simultaneously the other absorber under goes for regeneration and equalization process for (4 + 1) 5 min. respectively. The changeover of the absorber takes place with the help of sequence timer. The moistured air and regenerative air is drained out through the individual silencer of the absorbers provided at the bottom hence Zero Air comes from the top of the Absorber & is taken to your process for your applications.

FLOW DIAGRAM

