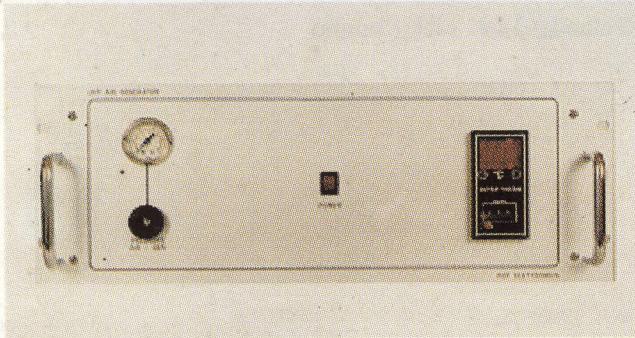


PCF Elettronica S.r.l.

Ultra pure air generator Model 9588



PCF's Mod. 9588 zero air generator includes an hopcalite converter, heated up to 520°C by a temperature controller with J type thermocouple, that converts any hydrocarbons into CO₂.

In order to guarantee the oxidation of any organic compounds in the air, it's very important that the converter temperature is kept at 520°C.

The generator can clean up to 1000 ml/min. The supplied air must be dry and dust free. The maximum operating pressure is between 1.5÷2 Bar. The life time of converter is between 2÷3 years, according to the operated time and to the concentration of pollutants in air. If the concentration of methane fraction is higher than the standard 1÷3 ppm, it may be required to increase the oxidation temperature slightly over 520°C.

The zero air generator may be supplied with an oil free air compressor as well as an automatic or manual condensation discharge. A silica gel drier is inserted in series at the output of air.

PCF's Mod. 95 88 zero air generator is mounted in a frame suitable for standard 19" rack (4 units).

Model 9588 schematics

- 1- Dust filter and condensed water discharge
- 2- Balston dust filter
- 3- Pressure reducer
- 4- Manometer
- 5- THC and CO oxidising oven
- 6- Silica gel filter
- 7- Activated charcoal filter (for NO and SO₂)
- 8- NO₂ filter
- 9- Temperature regulator
- 10- Power supply

