

# 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 CO<sub>2</sub>.

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.

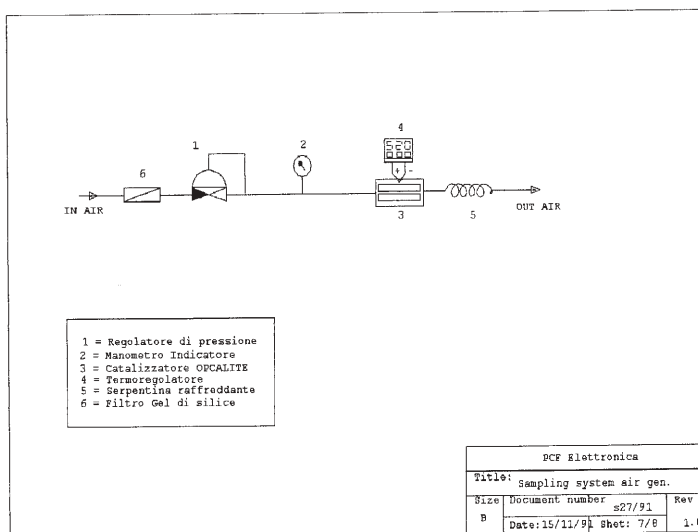
The generator can clean up to 1000 ml/min. The supplied air must be dry and dust free. The maximum operating pressure is between 1.5÷2 Bar. The life time of converter is between 2÷3 years, according to the operated time and to the concentration of pollutants in air. If the concentration of methane fraction 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 SO<sub>2</sub>)
- 8- NO<sub>2</sub> filter
- 9- Temperature regulator
- 10- Power supply



## TECHNICAL SPECIFICATIONS

|                                |  |
|--------------------------------|--|
| - Supplied air pressure        | : 2 Bar (30 psi) from an oil free air compressor |
| - Clean air pressure           | : 1.5 Bar (20 psi), 1000 ml/min                  |
| - Catalyst                     | : Hopcalite                                      |
| - Scrubber working temperature | : 520°C  |
| - Operating temperature        | : 0 – 40 °C                                      |
| - Air purity                   | : HC <0.1 ppm                                    |
| - Drier                        | : silica gel                                     |
| - Dimensions:                  | : 462x181x440mm (19"x7.2" x17.5", WxHxD)         |
| - Weight                       | : 7 Kg   |
| - Mounting                     | : in standard 19" rack (4units)                  |
| - Power supply                 | : 220/110 Vac, 50/60 Hz, 500 VA                  |

## How to order

| Code number | Description                                  |
|-------------|--|
| 048-001     | Mod. 9588, Zero air generator, 220 Vac 50 Hz |
| 048-002     | Mod. 9588, Zero air generator, 110 Vac 60 Hz |
| 048-011     | Expendables kit                              |
| 048-012     | Spare parts kit                              |

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