

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.

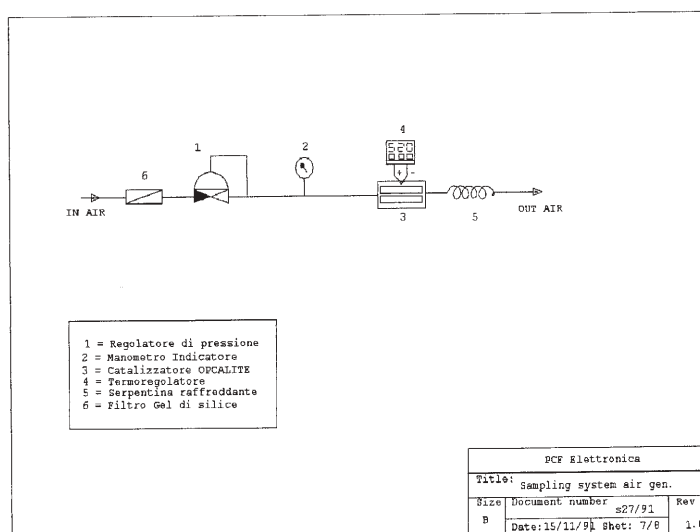
The generator can clean up to 1000 ml/min. The supplied air must be dry and dust free. The maximum operating pressure is between 1.5÷2 Bar. The life time of converter is between 2÷3 years, according to the operated time and to the concentration of pollutants in air. If the concentration of methane fraction 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



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

World wide distributor
PandA Services
Via E. Borsa, 10
20052 Monza MI Italy
Ph +39-039-835457
Fx +39-039-2841066
E-mail criccardi@sferainformatica.it