

Ultra Zero Air / TOC Air

UZAG Applications: GC-FID / NPD / FPD / THA

TOC Applications: Electronic Noise / TOC



AiroGen® Ultra Zero Air / TOC Air Generators from IATT are some of the most efficient Hydrocarbon-free (HC) air purifier systems for laboratory analytical applications.

The **Ultra Zero Air Generators** use a combination of high level filtration through a dryer and catalytic technology to produce clean and dry air with hydrocarbons including methane down to extremely low levels.

TOC Air Generators utilise heated catalytic technology which is combined with a CO₂ removal air dryer to remove THC including CH₄, CO₂ and a low H₂O dewpoint.

Features

- Available with or without built-in-air compressor.
- Quiet operation using a soundproofed compressor enclosure and anti-vibration features.
- Auto start.
- HMI touch screen technology to display the process in real time.
- Audible and alarm display with help menu.
- Visual maintenance indication.
- Outlet flow indicator.
- Energy saving Mode: Enables the compressor to switch off when gas supply is not required.
- Trend graph QA reporting.
- Remote access to screen using internet or GSM.
- Can be fitted with wheels for mobility.

Purity

Ultra Zero Air:
CH₄/CO/NO_x
out <0.05ppm

Purity

TOC Air:
CH₄/CO/NO_x
out <0.05ppm
CO₂ out <1ppm

Controlled using the latest HMI touch screen to display the process in real time

Ultra Zero Air / TOC Air

UZAG Applications: GC-FID / NPD / FPD / THA

TOC Applications: Electronic Noise / TOC

Technical

Ultra Zero Air

Flow Rates: 1, 3, 6, 10, 20, 35, 50 L/min
Purity: CH₄, CO, NO_x out < 0.05 ppm. CO₂ level out < 5 ppm.
Dewpoint - 50°C
Particle filtration level 0.1 micron
Outlet Pressure: 1 - 5.5 barg

TOC Air

Flow Rates: 1.5 L/min
Purity: CH₄, CO, NO_x out < 0.05 ppm. CO₂ level out < 1 ppm. Water
Dewpoint - 70°C
Particle filtration level 0.1 micron
Outlet Pressure: 1 - 5.5 barg



| ZERO AIR GENERATOR | | | | | | | | |
|--------------------|---|--------------------|---|--------------------------|---|--|----------------------------|--------------|
| Models | | Flow rate l/min | Purity | Outlet Pressure Bar g | Inlet Air pressure required Bar g | Inlet Air Flow rate required l/min | Dimensions W x H x D cm | Weight Kg |
| UZAG1 | 0 | 1.0 | CH ₄ , CO, NO _x out < 0.05 ppm | 5.5 | 7 | 2.25 | 34 x 71 x 69 | 45 |
| | 1 | 1.0 | | 5.5 | - | - | 34 x 71 x 69 | 60 |
| UZAG3 | 0 | 3.0 | CO ₂ level out < 5 ppm | 5.5 | 7 | 6.75 | 34 x 71 x 69 | 45 |
| | 1 | 3.0 | | 5.5 | - | - | 34 x 71 x 69 | 60 |
| UZAG6 | 0 | 6.0 | Water dewpoint - 50°C | 5.5 | 7 | 13.50 | 34 x 71 x 69 | 45 |
| | 1 | 6.0 | | 5.5 | - | - | 34 x 71 x 69 | 60 |
| UZAG10 | 0 | 10.0 | Particle filtration level 0.1 micron | 5.5 | 7 | 22.50 | 43 x 78 x 77 | 80 |
| | 1 | 10.0 | | 5.5 | - | - | 43 x 78 x 77 | 96 |
| UZAG20 | 0 | 20.0 | | 5.5 | 7 | 45.00 | 43 x 78 x 77 | 80 |
| | 1 | 20.0 | | 5.5 | - | - | 43 x 78 x 77 | 96 |
| UZAG35 | 0 | 35.0 | | 5.5 | 7 | 78.75 | 43 x 78 x 77 | 80 |
| | 1 | 35.0 | | 5.5 | - | - | 43 x 78 x 77 | 96 |
| UZAG50 | 0 | 50.0 | | 5.5 | 7 | 112.50 | 43 x 78 x 77 | 80 |
| | - | 50.0 | | 5.5 | - | - | 43 x 78 x 77 | 96 |

| TOC AIR GENERATOR | | | | | | | | |
|-------------------|---|--------------------|--|--------------------------|---|--|----------------------------|--------------|
| Models | | Flow rate l/min | Purity | Outlet Pressure Bar g | Inlet Air pressure required Bar g | Inlet Air Flow rate required l/min | Dimensions W x H x D cm | Weight Kg |
| TOC1 | 0 | 1.5 | CH ₄ , CO, NO _x out < 0.05 ppm CO ₂ level out < 1 ppm Water dewpoint - 70°C Particle filtration level 0.1 micron | 5.5 | 7 | 16.5 | 34 x 71 x 69 | 45 |
| | 1 | 1.5 | | 5.5 | - | - | 34 x 71 x 69 | 60 |