

DEIMOS TOC

Air Gas generator for TOC

Reference : DEIMOS.TOC.[Flow rate]/0 (without compressor)
DEIMOS.TOC.[Flow rate]/1 (with compressor)



Description

F-DGS's DEIMOS TOC Air generators are some of the smallest and most efficient Hydrocarbon-free air and CO2 purifier systems for laboratory use. Utilising a heated catalyst technology which is combined with a CO2 removal air dryer to remove THC including methane to less than 0.05 ppm and CO2 less than 1 ppm.

This TOC air station is controlled using the latest in HMI touch screen technology to display the process in real time.

The DEIMOS TOC is available with integrated oil free air compressor using the **Energy Saving Technology mode (EST)**. It is extremely compact and quiet in operation.

The generator is controlled using the latest color in touch screen technology to display the process in real time, inlet / outlet pressure, Air Flow and status of the system with remote access for diagnostic control.



UNIQUE AND INTELLIGENT OPERATOR
INTERFACE WITH REMOTE ACCESS

Applications

TOC

Benefits & Savings

BETTER DETECTOR PERFORMANCE

The reduction of CO and hydrocarbons, including methane to < 0.05 ppm decreases the background noise level and gives the baseline much better stability, considerably increasing detector sensitivity and ensuring precise analytical results. Reduce also CO2 level to < 1ppm for TOC and Electronic noise applications

INCREASED LABORATORY EFFICIENCY

A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

SAVE MONEY

The unit only requires connection to a suitable socket for model with integrated compressor. The investment can be paid back in less than one year.

IMPROVED SAFETY

TOC air produced at low pressure and ambient temperature removes the need for high pressure cylinders

SECURITY OF SUPPLY

Do not requires external compressed air supply

SIMPLE INSTALLATION

Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere

Standard Features

- Intelligent color touch screen to provide simple and user friendly management of all functions of the unit
- Without or with integral oil free air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Auto start
- Audible alarm display and Visual maintenance indication with history log
- Outlet flow indicator
- Energy Saving Technology (EST) :
 - Switch off the compressor when gas supply is not required
 - Allowing low energy consumption and increasing durability of the compressor
- Remote PC monitoring and diagnostic analysis via USB to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)
- Compact design
- Fit with wheels

TOC
FREE AIR

MODELS	DEIMOS.TOC.1		DEIMOS.TOC.3		DEIMOS.TOC.6	
Compressor	0 (Without)	1 (With)	0 (Without)	1 (With)	0 (Without)	1 (With)
GENERALS INFORMATIONS						
Max TOC Air Flow rate	1 L/min		3 L/min		6 L/min	
Max TOC Air pressure	6 bar (87 psi)					
Air Inlet Pressure	8 bar (116 psi)					
Min Inlet Air quality	ISO8573 - 1:2010 1.2.1	N/A	ISO8573 - 1:2010 1.2.1	N/A	ISO8573 - 1:2010 1.2.1	N/A
Total HC out	< 0.05 ppm					
Total CO out	< 0.05 ppm					
Total CO2 out	< 1 ppm					
H2O Dew Point	-70°C (-94°F)					
Particles	0.1 μ					
Touch screen	Touch screen (operating parameters, system status, alarms and maintenance)					
Max Relative Humidity	80% RH @ 25°C (77°F)					
Temperature range	From 5 - 25°C (41 - 77°F)					
Noise level @ 1M	< 50 dB (A)					
Dimensions (W x H x D)	47.5 x 66.2 x 79 cm (18.7" x 26" x 31")					
Weight (kg/lbs)	55 / 121	60 / 132	55 / 121	60 / 132	63 / 139	75 / 165
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz					
	110 - 120 V ac / 1 ph / 50 - 60 Hz					
Power consumption	300 W	700 W	300 W	700 W	300 W	1100 W
CONNECTIONS						
TOC Air outlet	G 1/4" (BSP) Female					
Air inlet	G 1/4" (BSP) Female	N/A	G 1/4" (BSP) Female	N/A	G 1/4" (BSP) Female	N/A
COMMUNICATION						
USB/PC Control	In series					

GoldService
 — Satisfaction Guaranteed —

The products are guaranteed 24 months*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSi and a priority intervention in case of failure.

*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSi-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit www.f-dgs.com

GS: TECNOLOGIA APLICADA



Certified Product

