

Peak Scientific—Corona Series Nitrogen Gas Generation System

Made to Measure

The Corona Series Nitrogen generator system is a modular, space-saving stackable approach to provide on-demand high-purity, filtered, dry nitrogen right from your in-house compressed air supply, or using the optional air compression module, specifically designed for smooth and quiet operation, right on the laboratory bench.

- Modular, space saving and stackable design
- Dry, high purity nitrogen on-demand
- Easily integrates with any Corona charged aerosol detector

Thermo Fisher Scientific, in conjunction with Peak Scientific, has specifically developed a nitrogen gas generator solution for use with all Thermo Scientific™ Dionex™ charged aerosol detectors, including the advanced Thermo Scientific™ Dionex™ Corona Veo™ RS and Thermo Scientific™ Vanquish™ charged aerosol series detectors. The Corona Series Nitrogen generator system eliminates the inconvenience of connecting gas cylinders – no more tank changing or late delivery headaches. The Corona Series gas solution offers superb technical performance for your lab and working in partnership with Thermo Fisher Scientific comes with world class after sales service as standard.



Schematic that demonstrates the stackable design of the Corona series gas generator system. Choose the best solution for your laboratory.



The Corona Veo charged aerosol detector (left) with the Peak Scientific Nitrogen Gas Generator and optional Air Compressor (right).

Advanced Design

- Rugged generator and compressor modules designed for long life operation
- Quiet operation even with optional air compressor
- Stackable integration with Thermo Scientific Dionex UltiMate LC Systems

Efficient Performance

- High purity nitrogen
- Ultra-fast start-up time
- Cost effective solution eliminates the need for expensive gas cylinders

Intuitive Operation

- Self-diagnostics to ensure trouble-free operation
- Visual status display notifies user of gas delivery problems
- Smart gas delivery – on-line gas quality monitoring to ensure high purity gas

SPECIFICATIONS

Corona Nitrogen 1010

Maximum Outlet Gas Flow:	5 L/m
Maximum Outlet Gas Pressure:	0.52 Mpa/80 psi/5.16 bar
Min/Max Operating Temperature:	5–35 °C/41–95 °F
Min/Max Air Inlet Pressure:	0.76 Mpa/7.6 bar/110 psi
Purity:	<2%O ₂ at 5L/min
Dew Point:	Less than –50 °C
Electrical Requirements:	110–230 VAC 50/60 Hz 7 VA
Dimensions (cm/ins) W × D × H:	41.7 × 54.2 × 15.6 /16 × 21 × 7
Weight (kg/lbs):	12/26.4

Corona Air Compressor

Maximum Operating Pressure:	0.76 Mpa/110 psi/7.58 bar
Noise:	50dB(A)
Electrical Requirements:	110 VAC 60 Hz 583 VA or 230 VAC 50/60 Hz 644 VA
Dimensions (cm/ins) W × D × H:	41.7 × 54.2 × 42/16 × 21 × 16
Weight (kg/lbs):	41.5/91.5

Ordering Information

The nitrogen generator and air compressor modules are precisely matched to delivery an adequate supply of pressurized nitrogen for operation of a single Thermo Scientific charged aerosol detector on a liquid chromatography system. Select the appropriate Corona air compressor for the line voltage in your region.

In the U.S., call (800) 346-6390 or contact the Thermo Fisher Scientific Regional Office nearest you. Outside the U.S., order through your local Thermo Fisher Scientific office or distributor. Refer to the following part numbers:

Description	Part Number
Corona Nitrogen 1010 Nitrogen generator. Installation kit included. (compressed air inlet source required: 760 kPa, 110 psig).	6295.0200
Corona Air Compressor 230V Oil-free air compressor for pairing with 6295-0200 above. Installation kit included.	6295.0300
Corona Air Compressor 110V Oil-free air compressor for pairing with 6295-0200 above. Installation kit included.	6295.0350

www.thermofisher.com/CAD

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