

Technical Specifications and Instrument Features of the QP-Eco Series Nitrogen Generators



Function:

1. The QP-Eco series nitrogen generators can meet the nitrogen requirements of various models of nitrogen blowers, sulfur dioxide distillation apparatus, CADs, ELSDs, and other equipment.
2. The device features a high-power compressor for rapid gas generation; it also includes a built-in, large-capacity dual-stainless-steel gas storage tank, ensuring more stable gas output.
3. The instrument is equipped with multi-stage filters and a cryogenic drying system, which ensures that the output gas is clean and has a low dew point.
4. The instrument features a unique noise-reduction and vibration-damping structure, resulting in low noise levels during operation; it is equipped with a high-power silent fan and a specialized heat dissipation channel, which can rapidly reduce the temperature within the compression chamber and extend the service life of the compressor.
5. The instrument features an automatic drainage function with zero gas consumption; it also includes a maintenance alert function.
6. The bottom features a load-bearing pulley-locking mechanism, ensuring stable installation and easy mobility. After installation, the device can remain unmanned for extended periods while continuously supplying gas to the instrument.

Technical Parameters:

Model	QP-EcoP15
Maximum nitrogen purity	99.9%
Maximum nitrogen output flow rate: L/min	15L
Nitrogen output pressure	0.6MPa
Nitrogen Generation Method	PSA
QP-Eco Noise Level (1 meter away)	≤50dB
Retained fluid	not have
pellet	0.01um
Water resistance rating	three-level
Filter Rating	three-level
Export specifications	Φ6 quick-connect connector (standard); 1/4 " size available as an optional option
Waste liquid outlet specifications	Primary drainage outlet: Φ4 quick-connect joint; Secondary drainage outlet: Φ6 quick-connect joint
Power requirement	AC 220V ±10% 50HZ
Service environment	Operating environment temperature: 5–35 °C; operating environment humidity: ≤80%; Operating conditions: No excessive dust or corrosive gases; good ventilation; no direct sunlight exposure.
Maximum power	1.6 KW
Dimensions (L × W × H) mm	855×560×865 mm (including wheels)
Net Weight (KG)	130KG