



Delivering the **Science** of Nitrogen Generation™

HSS-3EC Nitrogen Generation System

The HSS-3EC represents the newest innovation from Holtec, engineered to ensure a dependable and sustainable nitrogen source for safer use of 3D printers.

This complete nitrogen generation solution gives you the ability to easily generate nitrogen at your facility:

- Effortless "Plug and Play" setup for immediate use
- Enhanced safety compared to handling high-pressure nitrogen cylinders or low-temperature dewars
- Cost-effective operation, reducing expenses associated with 3D printer usage
- Diminish dependency on external nitrogen suppliers, promoting sustainability
- Boost in operational autonomy and self-sufficiency

Specifications

N₂ flow = 0.5 scfm / 0.80 Nm³/h*

Purity = 0.5% O₂ +/- 0.2%

Pressure: 60 – 100 psig / 4.1 – 6.9 barg

(*Based on 25°C/77°F operation & 500 ft elevation)

Weight & Dimensions:

LxWxH = 30.5" x 24.3" x 40.1" / 775 x 617 x 1,019 mm

Weight = 234 lbs / 106 kg

Power Required:

0.9 kW, 120 VAC – 1 ph – 60 Hz, 15 Amp





All-inclusive Nitrogen Generator for your 3D Printing Operation

- Oil-less rocking piston compressor
- Integrated cooling fans and heat exchangers regulate temperature and condense moisture
- Three-stage filtration system removes particles and moisture
- High-efficiency membrane nitrogen separator(s)
- User-friendly automated PLC with touch screen interface
- Optional continuous purity monitoring system
- Built-in pressure gauges and transducer
- Included nitrogen storage vessel
- Mobile enclosure with casters for effortless movement

Ease of Use & Maintenance

Owning a nitrogen generator streamlines operations by removing the complexities and safety concerns associated with the frequent changing of high-pressure cylinders and low temperature dewars. Furthermore, cut the reliance on delivery schedules and advance towards achieving your operation's carbon emission reduction targets

The installation process couldn't be simpler: Wheel the unit to the desired location, connect it to an electrical outlet, and attach the nitrogen supply line directly to your 3D printer. There's no need for additional components or complex setup procedures.

As for upkeep, the HSS-3EC is low-maintenance, requiring only annual replacement for three filters. This ensures hassle-free operation throughout the year!

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