



INJECTION

Nitrogen Generator & Booster

2-in-1
intergrated
machine



Model: HPN intergrated series

The HPN series nitrogen production and nitrogen gas booster 2-in-1 intergrated machine, commonly known as a high-pressure nitrogen generator, is the latest gas auxiliary equipment configuration developed by our company based on market and customer needs in our long-term research and development and manufacturing of gas auxiliary equipment. It integrates two key equipments in the gas auxiliary system: nitrogen production and high pressure nitrogen booster. By cooperating with the gas auxiliary main controller, it can meet the production needs for 2-3 sets of injection molds.

深圳市恩杰森科技有限公司
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Configuration and advantages of HPN series

1. equipped with two sets of efficient and high-quality molecular sieve adsorption towers, which generate high-purity nitrogen through alternating nitrogen production. The nitrogen output flow rate is 300NL/min, and the nitrogen purity is above 99%. It is equipped with a three-level high-precision air filter and a low-pressure nitrogen storage tank.
2. equipped with an imported or domestic nitrogen compressor, which provides high pressure nitrogen output flow rate of 200-250NL/min according to user needs, with maximum output pressure of 350bar. Built-in with high-pressure nitrogen storage tank and intake buffer cylinder.
3. adopts high-quality programmable PLC and a 7-inch color touch screen, providing users with friendly control and monitoring system interface, making operation simpler and more intuitive. The start stop pressure can be set according to needs; The purity of nitrogen, nitrogen pressure, alarm prompts, etc. are clear at a glance.
4. adopts high-strength sheet metal shell, shock absorption device and ventilation system, the pipeline connection of the equipment is basically built-in; Due to the adoption of intensive design and small volume, the requirements for equipment installation site are relatively low, and can be installed inside the workshop.
5. easy for installation, users only need to provide compressed air with a pressure of 6-8 bar and a flow rate of 1.5m³/min.
6. equipped with alarm prompts such as insufficient intake pressure and oil pressure, as well as an automatic sewage unloading system.

Features of HPN series

Type:	3 stages, 3 tanks
Environment temp:	+5...+45℃
Maximum pressure:	350 bar
Cooling type:	Air cooled
Operation:	Automatic Free setting for Start/Stop pressure
Oil tank capacity:	2.8 Liter
Lubricated oil change:	Change by more than 2,000 hours



Optional models with different specification:

Model: HPN200	Output flow: 200NL/min	Compressor speed: 1250rpm	Power rating: 4.5KW
	Output pressure: 350bar	Dimension: 1300*1040*1700mm	Weight: 700KG
Model: HPN250	Output flow: 250NL/min	Compressor speed: 1450rpm	Power rating: 6.0KW
	Output pressure: 350bar	Dimension: 1300*1040*1700mm	Weight: 705KG

Remark: Both models are available with optional imported or China domestic booster.

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