

PED CE Certificated Laser Welding Nitrogen Generator 1.5kw 2kw 15L 30L Assist Welding

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: PED, CE
- Model Number: FS-LW-15/30
- Minimum Order Quantity: 1 Set
- Price: USD 4,000-12,000 / Set
- Packaging Details: Export wooden case with foam protection, sea-worthy packing
- Delivery Time: 15-25 working days
- Payment Terms: T/T, L/C, PayPal
- Supply Ability: 50 Sets per Month



Product Specification

- Compatible Laser Power: 1.5kW / 2kW
- Nitrogen Purity: 99.99%
- Buffer Tank Volume: 15L / 30L
- Nitrogen Flow Rate: 2 - 6 Nm³/H
- Outlet Pressure: 0.1 - 0.8 MPa
- Voltage: 220V 50/60Hz
- Adsorbent: Carbon Molecular Sieve (CMS)
- Control System: PLC + Touch Screen HMI
- Certification: PED, CE
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **PED CE Certified N₂ Generator, 1.5kw 2kw Laser Welding Gas, 15L 30L Buffer Tank System**

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Product Description

PED CE Certificated Laser Welding Nitrogen Generator 1.5kw 2kw 15L 30L

The **PED CE Certificated Laser Welding Nitrogen Generator** is a compact assist gas system designed for **1.5kW and 2kW** laser welding machines. With **15L and 30L** buffer tank options, this nitrogen generator provides stable, high-purity shielding gas directly supplied by the manufacturer, improving weld quality and reducing oxidation.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-LW-15/30
Compatible Laser Power	1.5kW / 2kW
Buffer Tank	15L / 30L Options
Certification	PED, CE
HS CODE	8419609090

Core Features & Advantages

PED & CE Certificated: Fully certified pressure equipment compliant with European standards.

Laser Welding Optimized: Stable assist nitrogen flow prevents weld oxidation and porosity for 1.5-2kW lasers.

15L / 30L Tank Options: Choose buffer capacity to match duty cycle and welding speed.

Manufacturer Direct Supply: Factory pricing with direct technical support and fast spare parts delivery.

Compact Design: Space-saving footprint fits beside handheld and robotic laser welding stations.

Simple Operation: Automatic start-stop with purity monitoring for reliable daily operation.

Technical Specifications

Parameter	Value
Compatible Laser Power	1.5kW / 2kW
Nitrogen Purity	99.99%
Buffer Tank Volume	15L / 30L
Nitrogen Flow Rate	2 - 6 Nm ³ /H
Outlet Pressure	0.1 - 0.8 MPa (adjustable)
Voltage	220V, 50/60Hz
Adsorbent	Carbon Molecular Sieve (CMS)
Control System	PLC + Touch Screen HMI
Certification	PED, CE

Applications

Ideal for handheld laser welding machines, robotic welding cells and automated welding lines using 1.5kW-2kW fiber lasers for stainless steel, aluminum and carbon steel welding.

FAQ

Q: Is this generator compatible with my 2kW handheld laser welder?

A: Yes. The 1.5kW/2kW model with 15L or 30L buffer tank matches the assist gas demand of common handheld and robotic welders.

Q: Are PED and CE certificates provided?

A: Yes. Full PED and CE certification documents are supplied with each unit.

Contact us today! Fly Speed directly supplies PED CE certificated laser welding nitrogen generators with competitive factory pricing.



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