

HEADQUARTERS

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Nanobox®

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Nanobox is Galileo's **Plug-and-Play CNG** compressor-package, specifically designed for private NGV fleets and small CNG filling-stations. This equipment provides a convenient and attractive solution for the needs of this market. The package integrates compression, storage and a complete CNG dispenser in a single unit. Nanobox covers a wide range of inlet pressures. There are also options with remote dispatch (not incorporated in the Nanobox).

MAIN COMPONENTS

- Compressor aspiration Blow Down Tank.
- Inlet Gas Filter with replaceable element.
- Galileo's NX compressor.
- Single Electric Driver for compressor and cooling Fan.
- Computerized control panel to control and operate unit.
- Ethernet connection for remote monitoring and control.
- Interstage air refrigerated gas coolers.
- Interstage safety relief valves and on discharge line.
- Explosion proof cabin, with door lock system, ensures safe operation.
- Emergency shutdown system.
- Gas Inlet/outlet, oil and ambient temperature transmitters.
- Gas Inlet/outlet, and oil pressure transmitters.
- Pressure relief valve valves on the discharge line.
- Coalescing Filter on discharge line.
- Internal Storage and priority filling system.
- Up to two refilling hoses with mass meter and NGV1 Type nozzle (Optional).



ADVANTAGES

- High return on Investment.
- Fast, easy and low cost installation.
- Minimum space requirement.
- Quick Load.
- Simple, low cost, preventive maintenance.
- Safe and reliable operation.
- Simple to operate and control.
- Refill of 30 to 250 vehicles per day.
- Register and internet-transmission of commercial, technical and audit data.



Nanobox® is an integral solution that allows compressing, storing and dispatching CNG with a single unit.

DATA SHEET

Capacity

Instant Peak Flow Capacity 50 Nm³/min *
Instant Hourly Flow Capacity Consult flow rate curves

DIMENSIONS

	NANOBOX	FEMTO
Length	2700 mm	2435 mm
Width	880 mm	880 mm
Height	2435 mm	2000 mm
Total Weight	3400 Kg	2825 Kg

Compressor

Manufacturer	Galileo
Compressor type	Non-lubricated pistons. Without connecting rods
Qty. Comp. Stages	4-5
Installed power	22-30-45 kW
Operating speed	1500/1800 RPM
Starter system	Bypass / unloaded starting
Cooling system	Air cooler
Inlet pressure	0.02 a 30 Bar
Maximum working pressure	300 Bar *

Gas Storage

Storage Volume	625 lt / 250 lt *
Useful Storage Capacity	120 / 25 Nm ³ aprox.*
Operating Pressure	250 Bar

Priority Panel

Type	3 Lines / Single Line
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Driver

Driver	Electric Motor
Load Speed	1500/1800 RPM
Frequency	50/60 Hz
Voltage	380/400/440 V
Start System Type	Delta-Star
Coupling	Direct Coupling

Dispensing Unit

Hoses	0, 1 or 2 high flow rate hoses*
Refilling hoses	¼ ID-3.5m long CNG hose*
Vehicle identification	OPTIONAL *

Data Transmission

Standard network port	Ethernet
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* May differ according to model.

