

CNG

.....

RECIPROCATING GAS COMPRESSORS

MADE & DESIGNED IN ITALY 



Via Ponticelli, 5-7, 43029
Traversetolo (PR), Italy



www.fornovogas.it
info@fornovogas.it



Tel. +39 0521 1553844
Fax +39 0521 1523066

FORNOVOGAS
WE MOVE ENERGY
MADE IN ITALY 

Since 1969



1969

FOUNDATION

Dr. Carlo Bauzone founded Fornovo Gas, creating a company that immediately stood out for its innovation and passion for gas compression.

2004

FIRST COMPRESSOR

The first reciprocating compressor, fully developed with Fornovo Gas technology, is introduced, marking a crucial moment in our innovation journey.

2009

CERTIFICATIONS

Fornovo Gas earns ISO 9001, ISO 14001, and ISO 45001 certifications, affirming its commitment to excellence and quality.



2019

EXPANSION

Fornovo Gas compressors are now operational in 60 countries, spreading our technology worldwide.

2021

HYDROGEN

The range of alternative compressors for hydrogen is launched, marking another significant milestone in our mission to support the energy transition.

2024

TODAY

Fornovo Gas, a certified Benefit Society, continues to innovate in sustainable solutions. With a strong commitment to carbon neutrality by 2030, the company expands its international presence, driving the global energy transition.

About Us

For over **55 years**, Fornovo Gas has been synonymous with **innovation, sustainability**, and a strong sense of family passion.

Founded as a **family-run business**, our company has grown into a **global leader** in the **design and production of alternative gas compressors**.

Delivering **high-performance, customized solutions** for a wide range of applications: Biogas, Biomethane, CO₂, Industry, CNG, Hydrogen, and more...

With a **worldwide network** of partners and clients, we continue to innovate and expand while staying true to the values that have brought us this far:

Meticulous **attention to detail**, unwavering **dedication**, and a **commitment** to delivering solutions that meet today's needs while anticipating the challenges of tomorrow.

Benefit Society

Since 2022, Fornovo Gas has been a **Benefit Society**.

This decision strengthens our commitment to combining industrial innovation with ambitious **environmental, social, and governance (ESG) goals**.

As a Benefit Company, we align ethical responsibility with tangible results: delivering advanced technologies that **respect the environment, support sustainable development**, and **create value** for our clients, communities, and people.

This model allows us to provide cutting-edge, reliable solutions while embracing a more **responsible vision** for the future, a path toward progress that benefits everyone.

Our Numbers

3000+

COMPRESSORS
INSTALLED
WORLD WIDE

20 %

STEADY GROWTH
IN ORDERS

120

OVER 120
EMPLOYEES

60

OPERATING IN
MORE THAN 60
COUNTRIES

2

AMAZING
DOGS

Our Values

.....



QUALITY AND RELIABILITY

.....

Our compressors are designed and manufactured in Italy, ensuring top-notch **Made in Italy** quality, reliability, and performance.



TECHNOLOGICAL INNOVATION

.....

Revolutionary **oil-free compressors**: the clean, powerful choice for tomorrow's industries.



TAILOR MADE

.....

Every client is **unique**, and so is every solution we deliver.



CORPORATE SUSTAINABILITY

.....

Operating with a focus on **sustainability**, delivering compressors designed for a greener future.



PARTNERSHIP AND COLLABORATION

.....

We believe **teamwork** is the key to overcoming energy challenges.



FAMILY TRADITION

.....

A **family-run business** that puts people first, fostering strong and lasting relationships with clients and partners.

The White Twins

.....

We're not just experts in gas compression...
WE'RE A TEAM !

Sonny and **Mizu**, our beloved office dogs, are proud members of the **Fornovo Gas family**.

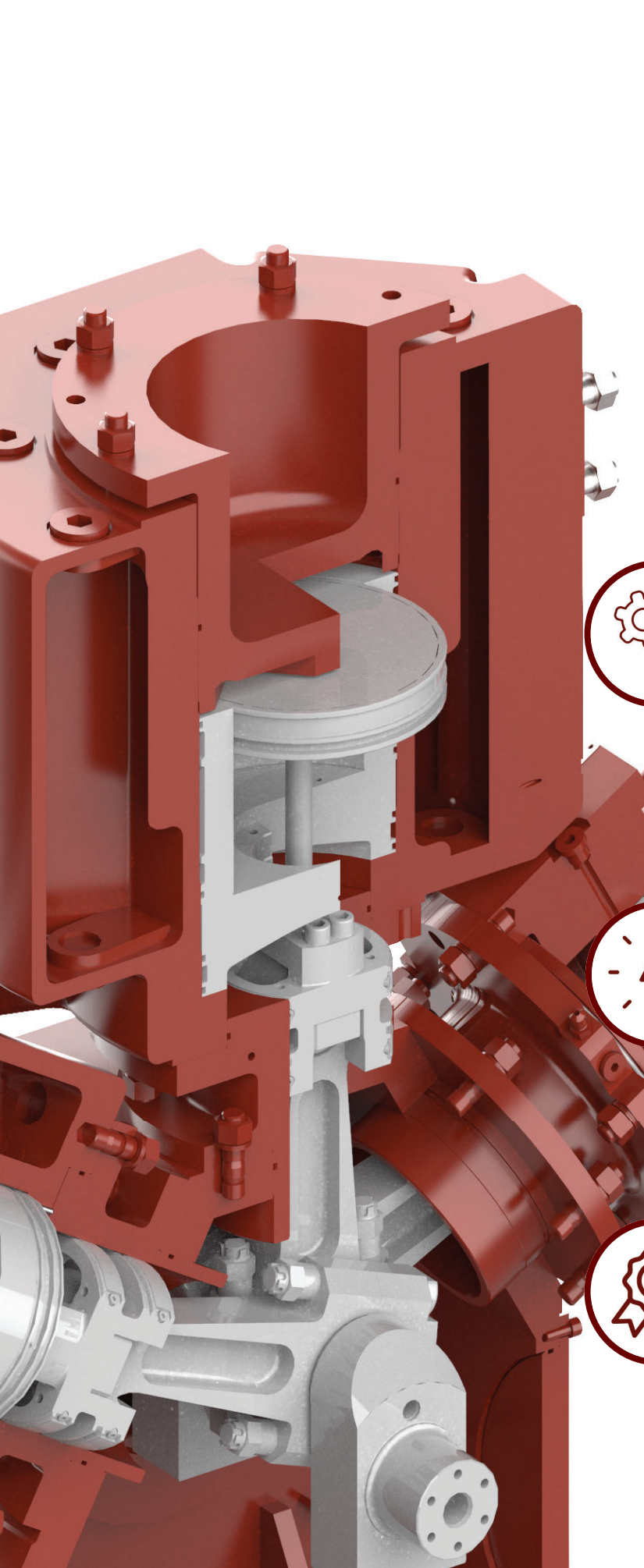
With their boundless energy and loyalty, they embody our core values of **dedication**, **reliability**, and **teamwork**.



Our Products

.....

POWER kW	MODEL	CYLINDER				APPLICATION									
		Bore (mm)	Acting Strokes (mm)	MAWP (bar g)	Cooling Air Liquid	NO LUBE OIL FREE LUBE	Distance Piece Type	Features Options	CH4	Bio CH4	N2	CO2	Sour Gas	Toxic Gas	H2 Syngas
1800	DA500	500	DOUBLE ACTING	17,5	●	NO LUBE OIL FREE LUBE	B-C	Bone dry gas seals	■	■	■	■	■	■	■
		400		34,7	●		B-C	Ni-plated surface treatment	■	■	■	■	■	■	■
		300		62	●		B-C	Cylinder lubrication system	■	■	■	■	■	■	■
		220		70,5	●		B-C	Packings Nitrogen buffer	■	■	■	■	■	■	■
		185		100	●		B-C		■	■	■	■	■	■	■
		150	TANDEM	140	●		B-C		■	■	■	■	■	■	■
		115		275	●		B-C		■	■	■	■	■	■	■
		370-190		48	●		B-C		■	■	■	■	■	■	■
		240-140		143	●		B-C		■	■	■	■	■	■	■
		160-80		275	●		B-C		■	■	■	■	■	■	■
315	DA300	320	DOUBLE ACTING	10	●		B	Bone dry gas seals	■	■	■	■	■	■	■
		240		40	●		B	Ni-plated surface treatment	■	■	■	■	■	■	■
		150		90	●		B		■	■	■	■	■	■	■
		90	TANDEM	133	○		B		■	■	■	■	■	■	■
		90		220	○		B		■	■	■	■	■	■	■
		200-130		90	○		B		■	■	■	■	■	■	■
		100-50		275	○		B		■	■	■	■	■	■	■
55	SA200	150	SINGLE ACTING	50	●		B-C	Bone dry gas seals	■	■	■	■	■	■	■
		80		100	●		B-C	Ni-plated surface treatment	■	■	■	■	■	■	■
		50-25	TANDEM	306	●		B-C	Packings Nitrogen buffer	■	■	■	■	■	■	■
		40-20		500	○		B-C		■	■	■	■	■	■	■
7	SA150	65	SINGLE ACTING	14	○		-	-	■	■	■	■	■	■	■
		45		14	○				■	■	■	■	■	■	■
		37		42	○				■	■	■	■	■	■	■



No Lube Technology

NO LUBE TECHNOLOGY ELIMINATES LUBRICANTS, USING DRY-RUNNING MECHANISMS TO REDUCE MAINTENANCE, IMPROVE EFFICIENCY, AND EXTEND COMPONENT LIFE, ENSURING CLEANER, MORE RELIABLE OPERATION WITH LOWER OPERATIONAL COSTS.



COST AND MAINTENANCE REDUCTION

No Lube technology eliminates the need for lubricants, **reducing purchase and management costs**. This leads to less frequent maintenance and **increased system reliability**.



INCREASED ENERGY EFFICIENCY

Without the **risk of oil contamination**, compressors operate cleaner and more efficiently, **reducing energy consumption** and environmental impact.



LONGER LIFESPAN AND RELIABILITY

The absence of lubricants reduces component wear, **improving the system's lifespan** and reliability, with fewer risks of failures or malfunctions.

The Product

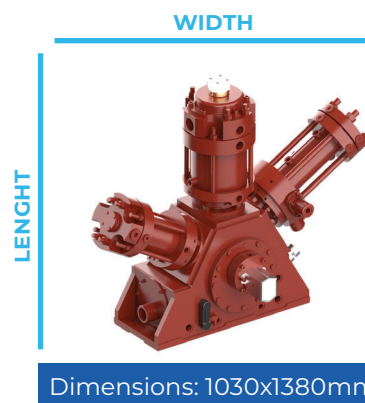
.....

VERTICAL RECIPROCATING COMPRESSOR

The **SA200** is one of our flagship solutions for biogas and biomethane compression, designed to deliver **maximum efficiency** and **reliability**.

With its robust and technologically **advanced design**, the SA200 handles gases with **high variability** in composition and pressure, ensuring **optimal performance** under all operational conditions.

* Measurements can differ based on the selected bore size.



SA200

MAIN Specifications

> **OPERATIONAL SPEED**
From 600 up to 1800 rpm

> **STROKE**
65 mm

> **POWER OUTPUT**
Up to 55 kW

Technical Specifications

.....

CYLINDERS AND BORES

The SA200 offers a **wide range of cylinders** and **bore sizes**, providing significant **flexibility** to meet the specific needs of each application.

DIRECT COUPLING COMPRESSOR-MOTOR

This integrated system ensures energy transmission with **minimal losses**, **optimizing efficiency** and **reducing system complexity**.

Available Configurations

.....

LUBRICATION

No Lube | Oil-Free

COOLING SYSTEM

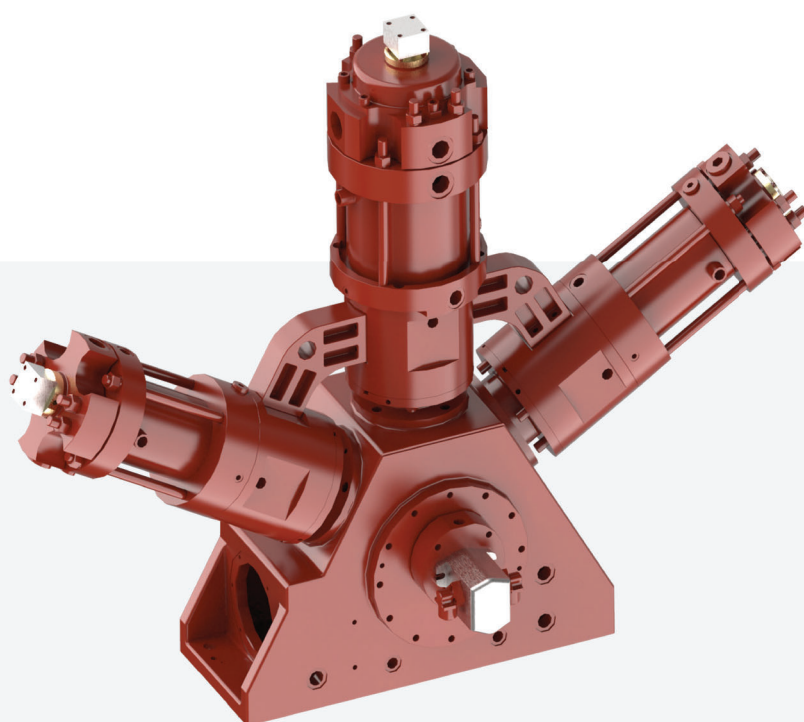
Air | Liquid

CYLINDERS CONFIGURATION

Vertical

CYLINDER NUMBER

1 | 2 | 3



.....

Advantages

.....



ITALIAN
QUALITY



EASY
MAINTENANCE



ENERGY
EFFICIENCY



EXCELLENT
FLEXIBILITY



DISTANCE
PIECE TYPE
B

The Product

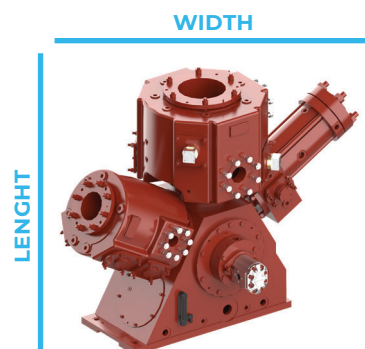
.....

VERTICAL RECIPROCATING COMPRESSOR

The **DA300** compressor is designed for **efficiency** and **versatility**, ideal for applications such as biomethane injection, carbon capture, LNG production, pipeline transmission, and refueling stations.

Its **compact size** fits easily into complex environments, while offering low oil consumption, minimal vibrations, and compatibility with any intake pressure. **Easy to maintain**, it ensures **cost-effective, reliable** performance across a wide range of industrial uses.

* Measurements can differ based on the selected bore size.



2 cylinders

Dimensions: 1153 x 1660mm

3 cylinders

Dimensions: 1395 x 1900mm



DA300

MAIN Specifications



OPERATIONAL SPEED

From 500 up to 1200 rpm



STROKE

100 mm



POWER OUTPUT

Up to 280 kW

Technical Specifications

.....

CYLINDERS AND BORES

The DA300 offers a **wide range of cylinders** and **bore sizes**, providing significant **flexibility** to meet the specific needs of each application.

For the DA300, we also offer the option of **TANDEM** cylinders, allowing two compressor bodies to be mounted on a single skid, resulting in a vertical compressor with up to **6 cylinders**.

DIRECT COUPLING COMPRESSOR-MOTOR

This integrated system ensures energy transmission with **minimal losses**, **optimizing efficiency**, **reducing system complexity** and **maintenance**.

Available Configurations

.....

LUBRICATION

No Lube | Oil-Free

COOLING SYSTEM

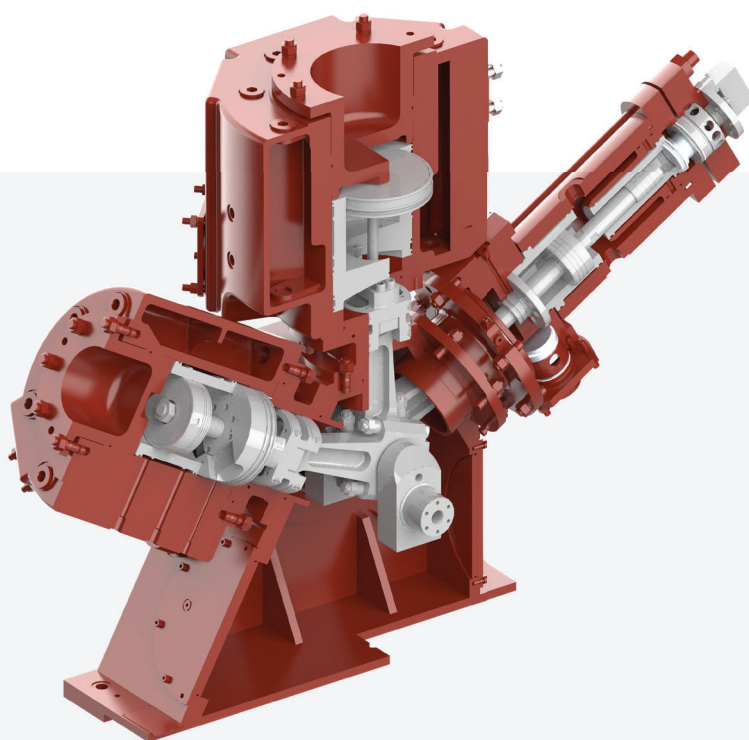
Air | Liquid

CYLINDERS CONFIGURATION

Vertical

CYLINDER NUMBER

1 | 2 | 3



Advantages

.....



ITALIAN
QUALITY



EASY
MAINTENANCE



ENERGY
EFFICIENCY



EXCELLENT
FLEXIBILITY



DISTANCE
PIECE TYPE
B

DISPENSERS

Main Specifications



- > **Twin hose** fitted with breakaway
- > **Recovery of the servo assisted hose** - to reduce wear caused by rubbing
- > **Electro pneumatic valves** with pre-filled actuator
- > **Larger diameter pipes** - for superior performance
- > **Inlet filter** on each line
- > End of **refuelling pressure gauge**
- > **NGV1** nozzle



ERM 4M

PRESSURE LEVELS

1 | 2 | 3

REFUILLING POINTS

4

ERMs

- > **High capacity mass meter** - precision +/- 0.5%
- > Excess **flow valves**
- > **Indipendent electronic head** for each refuelling point
- > Backlit **LCD display**
- > Mechanical **totals meter**



ERM

PRESSURE LEVELS

1 | 2 | 3

REFUILLING POINTS

1 | 2



ERV

PRESSURE LEVELS

1

REFUILLING POINTS

1 | 2

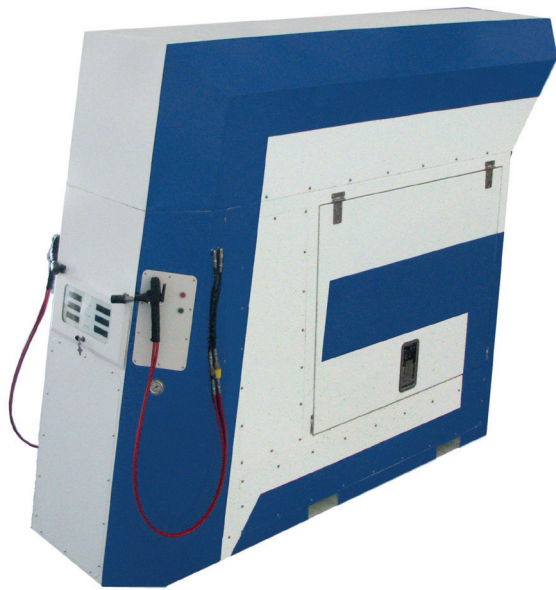
ERV

- > **Emergency** push button

GASVECTOR CITY

COMPACT STATION

Gasvector City is a compact modular unit that **integrates** a **compressor, dispenser, storage system, and priority panel**. It only requires **electricity** and **compressed air** to operate.



COMPRESSOR TECHNICAL DATA

N° CYLINDERS

2 | 3 No Lube

N° STAGES

1 | 2 for daughter station
3 | 4 for online

INLET PRESSURE

20-220 bar for daughter station
1-20 bar for online

OUTLET PRESSURE

200-250 bar

MOTOR COUPLING

Belt

MOTOR TECHNICAL DATA

POWER SUPPLY

400V - 50Hz | 440V - 60Hz

POWER

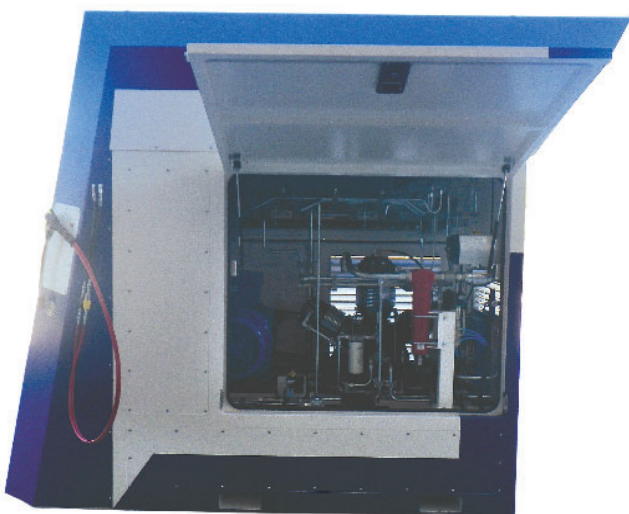
22-55 kW

ROTATIONAL SPEED

1500-1800 rpm

OPTIONS

- > **Storage:** 2 lines- 320l max 250 bar
- > Compressor only (no dispenser)
- > Integrated with 1-2 hoses dispensers
- > Integrated with 2 hoses dispensers, operating alternately



Optional Equipment

FG STOCK

.....

CYLINDER CAPACITY

80 L

N° CYLINDER

14 | 21 | 28

PRESSURE LEVELS

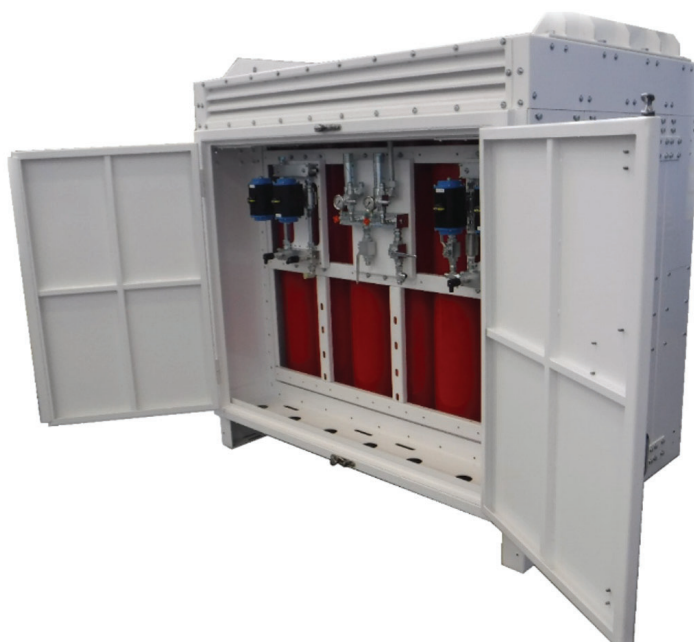
1 | 2 | 3

GAS LINES

1 | 2 | 3

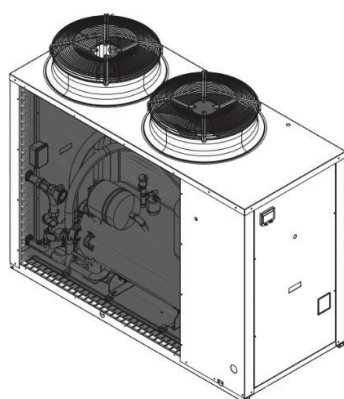
> **Safety valves** for protection at the different pressure levels

> **Inbuilt priority panel** with or without enclosure



CNG CHILLER

.....



GAS DRYER

.....

> LP or HP

> Manual or Automatic

What We Do

.....

Choose Our Services



EXPERTISE YOU CAN TRUST

.....

Our team comprises **certified technicians and engineers** with extensive experience in gas compression technology, ensuring your systems receive the **highest standard of care**.



CUSTOMIZED MAINTENANCE PLANS

.....

We offer **maintenance programs** designed to meet your specific operational needs, **minimizing downtime** and **maximizing performance**.



GLOBAL SUPPORT NETWORK

.....

With a robust **global presence**, our service network ensures **timely assistance** and **quick access to spare parts**, no matter where you are located.



LONG TERM SUPPORT

.....

We aim to **build lasting relationships** with our **clients**, providing continuous support throughout the compressor's lifespan to ensure optimal performance and quality service.



SPARE PARTS

.....

We supply **original Fornovo Gas components**, guaranteeing compatibility and maintaining the integrity of your equipment.



TRAINING & KNOWLEDGE SHARING

.....

We empower your team through **specialized training sessions**, enhancing operational efficiency and ensuring safe and effective equipment handling.

R&D Software

Fornovo Gas has developed a **proprietary system**, an advanced **simulation software**, designed to predict the **optimal configuration** and **performance** of compressors in relation to specific applications.

CONFIGURATION OPTIMIZATION

The software is designed to **predict** and **optimize** compressor configurations tailored to the specific requirements of industrial processes. This helps **improve efficiency** and system **performance**.

PERFORMANCE SIMULATION AND ANALYSIS

It allows for **simulating** compressor operation under various scenarios and **analyzing** their performance in real-time, providing data and forecasts to optimize operations and **reduce energy consumption**.

CUSTOMIZATION FOR SPECIFIC PROCESSES

The software can be adapted to different industrial applications, offering **customized configurations** that meet the precise needs of each client, ensuring high performance and maximizing system reliability.



WE MOVE ENERGY



SCAN

To Learn More
About Our
Compressors



SCAN

To see Sonny &
Mizu Calendar.



FORNOVOGAS
WE MOVE ENERGY
MADE IN ITALY

Fornovo Gas S.p.A



www.fornovogas.it
info@fornovogas.it



Via Ponticelli, 5-7, 43029
Traversetolo (PR), Italy



Tel. +39 0521 1553844
Fax +39 0521 1523066