

Industry

.....

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 reciprocating 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








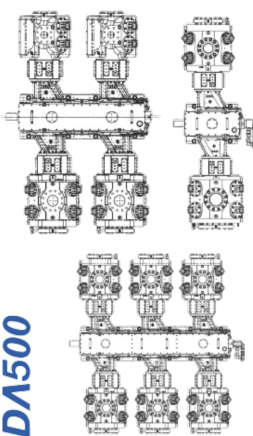


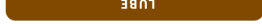




















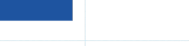
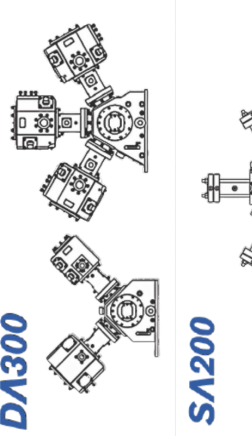










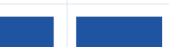

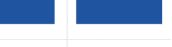




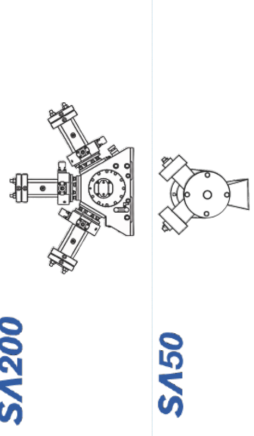










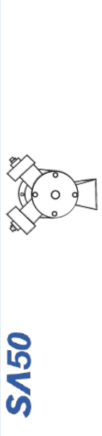










We're not just experts in gas compression...
WE'RE A TEAM !

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 	 NO LUBE 	 OIL FREE 	 Distance Piece Type	Features Options	CH4	Bio CH4	N2	CO2	Sour Gas	Toxic Gas	H2 Syngas
1800	DA500 	500	80 DOUBLE ACTING 110	17,5	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				Bone dry gas seals							
		400		34,7	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		300		62	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		220		70,5	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		185		100	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
315	DA300 	370-190	143 TANDEM	48	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				Cylinder lubrication system							
		240-140		143	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		160-80		275	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		100-55		500	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		320		10	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B							
55	SA200 	240	100	40	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				Bone dry gas seals							
		150		90	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B							
		90		133	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B							
		200-130		220	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B							
		100-50		275	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B							
7	SA150 	150	65	50	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				Bone dry gas seals							
		80		100	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		50-25		306	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		40-20		500	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				B-C							
		65		14	<input checked="" type="radio"/> Air <input checked="" type="radio"/> Liquid				-							

Our Technologies

Fornovo Gas focuses on two core lubrication configurations: **No-Lube** and **Oil-Free**, engineered to meet the highest standards of **gas purity, efficiency, and reliability**.

To help you choose the most **sustainable solution** for your gas application, we now present a direct comparison of the three lubrication technologies: Lubricated, No-Lube, and Oil-Free:

FEATURES	LUBRICATED	NO-LUBE	OIL-FREE
Oil Presence	High oil traces; requires separation	Minimal traces	Zero oil in compressed gas
Cylinder lubrication	Direct oil injection	Reduced internal oil use	No oil in cylinders (Distance piece type B)
Oil separator	Interstage and outlet separators required	Only outlet separator required	Not required
Maintenance frequency	Frequent oil refilling and separator draining	Lower maintenance (some oil top-up)	Minimal; (crankcase oil every ~4,000 hours)
Gas purity	Low (due to oil presence)	Medium-High	Very High
System complexity	High (complex separation and supply chain)	Moderate (simplified circuit)	Low (streamlined gas path)

Key Benefits

- ✓ **NO-LUBE** Reduced oil consumption, simplified maintenance, excellent gas purity.
- ✓ **OIL-FREE** Zero oil in compressed gas, maximum gas quality, no need for gas-side oil separation.

Our Applic



Applications

FUEL GAS BOOSTING

WELLHEAD WELL DEPLETION

**GAS STORAGE, INJECTION AND
LIFT**

**FLARE AND VENT GAS
RECOVERY**

**REFINERY, MINERY, GAS
SERVICES**

TECHNICAL GASES

BOIL OFF GAS RECOVERY

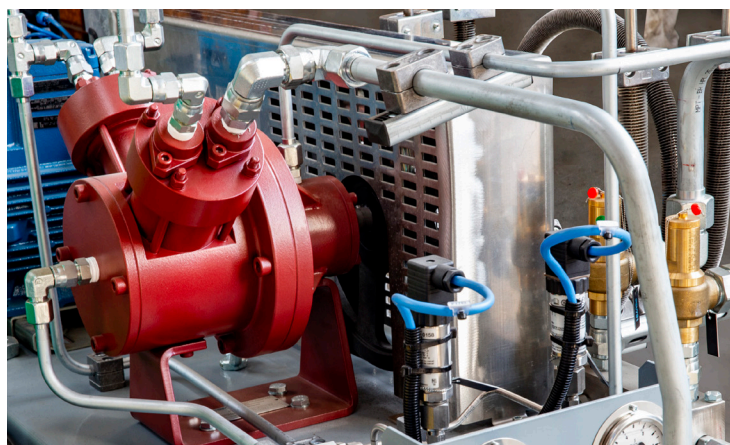
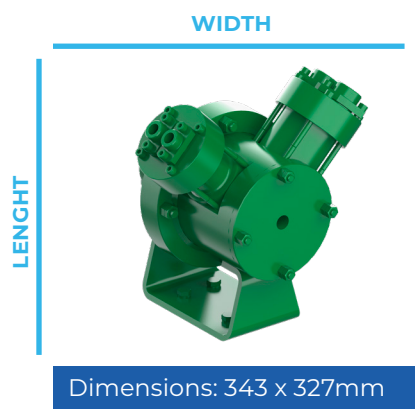
**SMALL SCALE LNG PRODUCTION
PLANTS**

Gas Recovery

GAS RECOVERY RECIPROCATING COMPRESSOR

The SA50 compressor is engineered to optimize **gas recovery** across a wide range of industrial processes, offering an **efficient, reliable, and low-maintenance** solution.

Its **oil-less technology** ensures clean and contamination-free operation, making it ideal for industries requiring **high purity standards** and **long-term operational efficiency**.



SA50

MAIN Specifications

- OPERATIONAL SPEED**
From 600 up to 1800 rpm
- STROKE**
40 mm
- POWER OUTPUT**
Up to 7,5 kW

Technical Specifications

AUTONOMOUS COMPRESSION SYSTEM

A completely **independent system**, managed by the motor's **electrical control**, ensuring seamless and secure operations.

OIL-LESS TECHNOLOGY

By **eliminating oil** in the lubrication process, the risk of contamination is removed, ensuring **superior purity** of the compressed gas.

POWER RATED

2 Stages **3 kW**
3 Stages **7,5 kW** with a TANDEM solution

Available Configurations

LUBRICATION

Oil Less

STAGES

2 | 3



Advantages



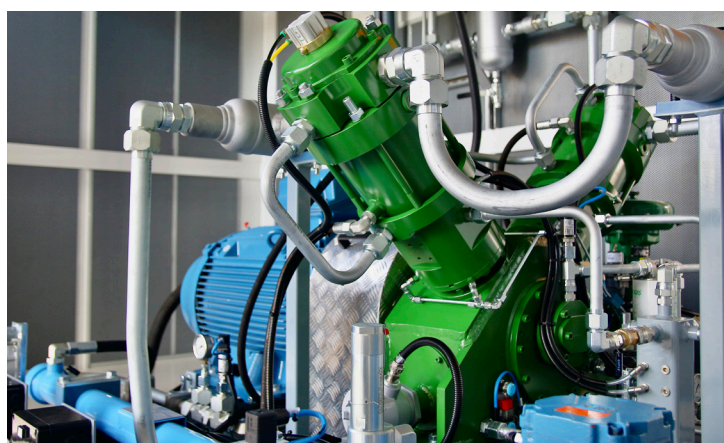
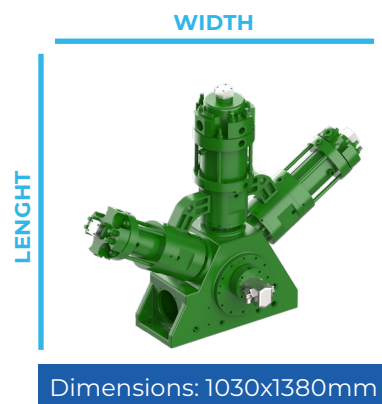
The Product

VERTICAL RECIPROCATING COMPRESSOR

The SA200 is designed to deliver **maximum efficiency** and **reliability** across a wide range of industrial gas compression applications.

Its robust and **technologically advanced** design allows it to handle gases with **high variability** in **composition** and pressure, ensuring **consistent performance** even in the most demanding 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

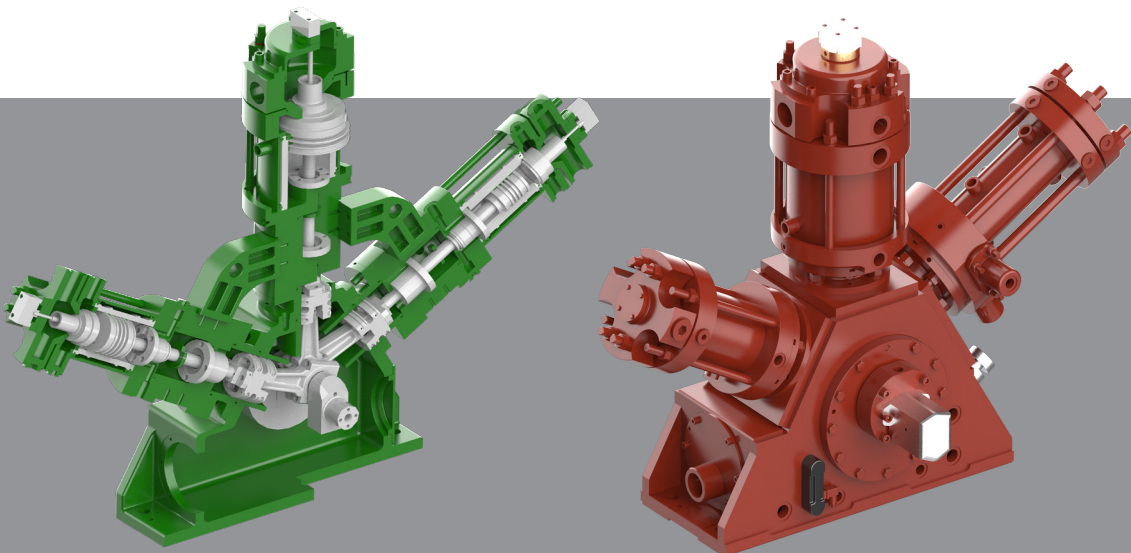
Air | Liquid

CYLINDERS CONFIGURATION

Vertical

CYLINDER NUMBER

1 | 2 | 3



.....

Advantages



ITALIAN
QUALITY




EASY
MAINTENANCE



ENERGY
EFFICIENCY



EXCELLENT
FLEXIBILITY



DISTANCE
PIECE TYPE
B

The Product

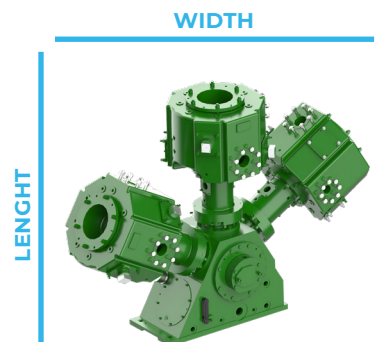
VERTICAL RECIPROCATING COMPRESSOR

The DA300 compressor is built for efficiency and versatility, ideal for **industrial gas compression** across various sectors.

Its compact design allows **easy integration** into complex systems, while offering **low oil consumption**, reduced vibrations, and compatibility with **different intake pressures**.

Reliable and easy to maintain, it ensures **long-term**, cost-effective **operation**.

* Measurements can differ based on the selected bore size.

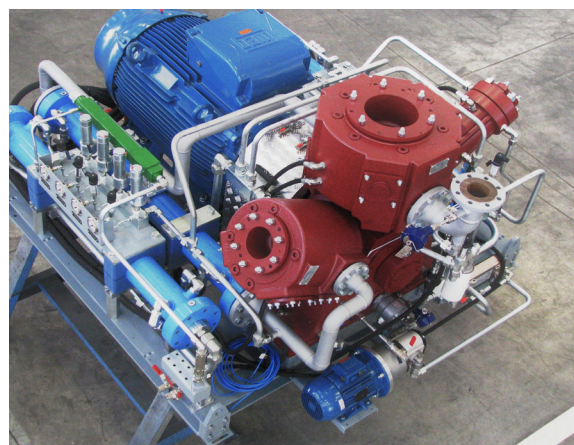
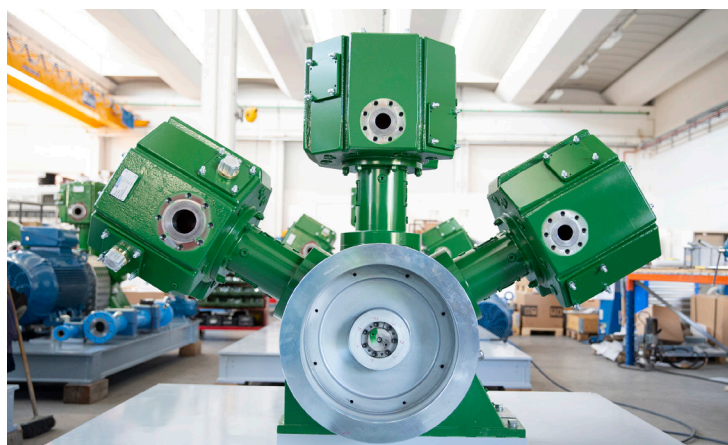


2 cylinders

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

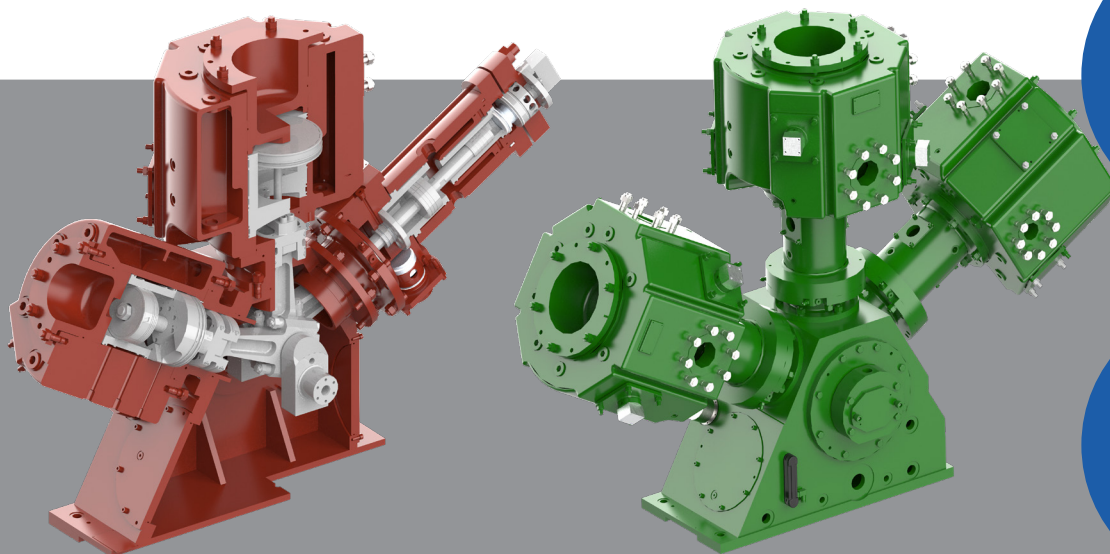
Air | Liquid

CYLINDERS CONFIGURATION

Vertical

CYLINDER NUMBER

1 | 2 | 3



Advantages



ITALIAN
QUALITY



EASY
MAINTENANCE



ENERGY
EFFICIENCY



EXCELLENT
FLEXIBILITY



DISTANCE
PIECE TYPE
B

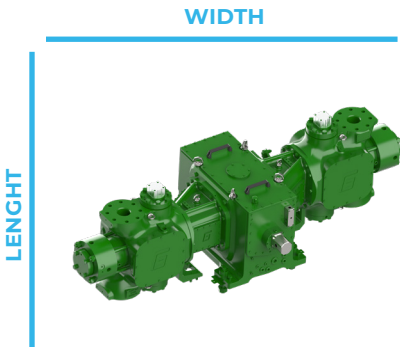
The Product

HORIZONTAL RECIPROCATING COMPRESSOR

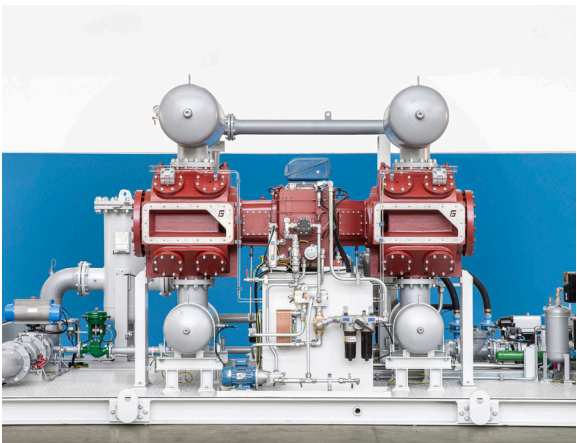
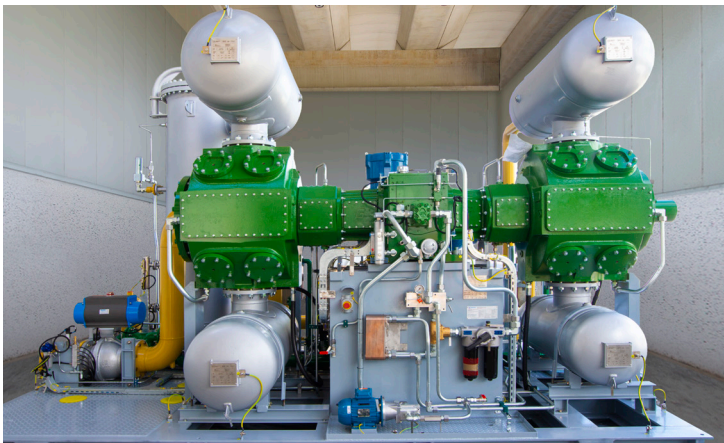
The **DA500** compressor is a **powerhouse of performance** and **flexibility**, engineered to meet the toughest demands with customizable configurations and superior capabilities.

It is perfect for applications requiring **high capacity** and **adaptability**, offering reliable, efficient solutions for a wide range of industries.

* Measurements can differ based on the selected bore size.



2 cylinders	Dimensions: 1356 x 3456mm
4 cylinders	Dimensions: 1850 x 3276mm
6 cylinders	Dimensions: 3620 x 3260mm



DA500

MAIN Specifications

- > **OPERATIONAL SPEED**
From 600 up to 1800 rpm
- > **STROKE**
80 mm | 110 mm
- > **POWER OUTPUT**
Up to 1800 kW

Technical Specifications

CYLINDERS AND BORES

The DA500 offers a **wide range of cylinders** and **bore sizes**, providing **significant flexibility** to meet the specific needs of each application.

POWER RATED

2 Cylinders	600 kW
4 Cylinders	1200 kW
6 Cylinders	1800 kW

Available Configurations

LUBRICATION

No Lube | Oil-Free

COOLING SYSTEM

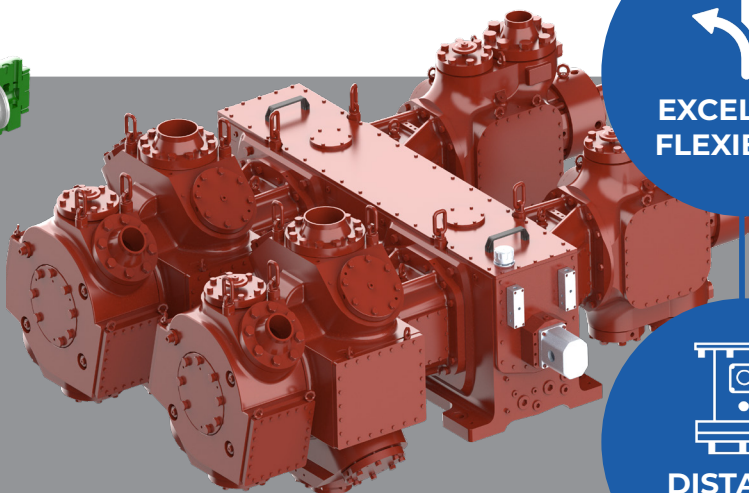
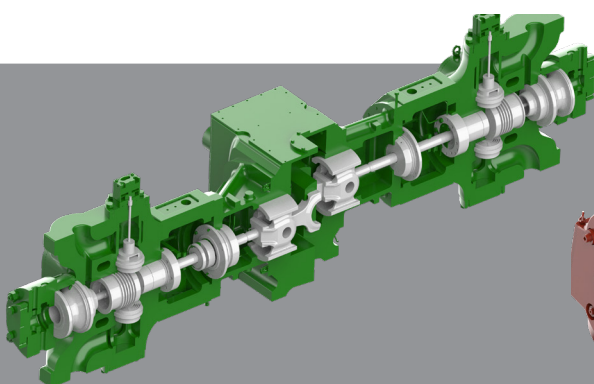
Air | Liquid

CYLINDERS CONFIGURATION

Horizontal

CYLINDER NUMBER

1 | 2 | 3 | 4 | 5 | 6



.....

Advantages



ITALIAN
QUALITY




EASY
MAINTENANCE



ENERGY
EFFICIENCY



EXCELLENT
FLEXIBILITY



DISTANCE
PIECE TYPE
B

Our Package

.....

Fornovo Gas provides a wide range of alternative compressor solutions, offering high efficiency and adaptability for any application.

Our **solutions** can be **customized** based on your specific requirements, ensuring optimal performance and flexibility.

The available purchasing options are:

GASVECTOR

.....

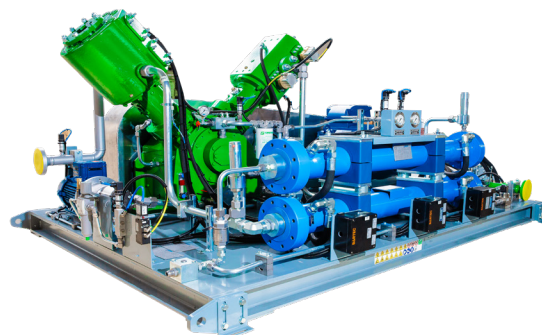
This compact, **modular metal structure** is easy to install and designed to house DA500, DA300, and SA200 compressors, along with **all necessary auxiliary components**.



SKID

.....

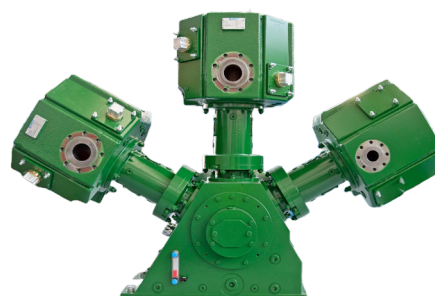
For those in need of a robust and **easily transportable solution**, our compressors on skid provide a stable base and a modular structure, enabling **quick** and **secure installation**.



BARE COMPRESSOR BLOCK

.....

This configuration allows for **adapting** the compressors **to the customer's specific needs**, providing the **flexibility to design** the auxiliary and control system according to operational and environmental requirements.



References

HERE ARE SOME OF OUR SUCCESSFUL PROJECTS, SHOWCASING THE VERSATILITY OF OUR COMPRESSORS IN INDUSTRIAL APPLICATIONS:

GAS TURBINE

PACKAGE : GASVECTOR

COMPRESSOR MODEL : DA300 Oil-Free

N. CYLINDERS : 2

INLET PRESSURE : 10-21 bar

OUTLET PRESSURE : 24 bar

POWER : 132 kW

INSTALLATION COUNTRY :  ITALY



LIQUEFACTION

PACKAGE : SKID

COMPRESSOR MODEL : DA300 No Lube

N. CYLINDERS : 3

INLET PRESSURE : 14,5 bar

OUTLET PRESSURE : 110 bar

POWER : 132 kW

INSTALLATION COUNTRY :  ITALY



WELLHEAD

PACKAGE : SKID

COMPRESSOR MODEL : DA300 No Lube

N. CYLINDERS : 2

INLET PRESSURE : 14,5 bar

OUTLET PRESSURE : 110 bar

POWER : 132 kW

INSTALLATION COUNTRY :  AUSTRALIA



* Package in collaboration with our Australian partner IntelliGas

References

HERE ARE SOME OF OUR SUCCESSFUL PROJECTS, SHOWCASING THE VERSATILITY OF OUR COMPRESSORS IN INDUSTRIAL APPLICATIONS:

GAS LIFT

.....

PACKAGE : GASVECTOR

COMPRESSOR MODEL : DA300 Oil-Free

N. CYLINDERS : 2

INLET PRESSURE : 10 bar

OUTLET PRESSURE : 200 bar

POWER : 160 kW

INSTALLATION COUNTRY :  ITALY



PETROCHEMICAL

.....

PACKAGE : SKID

COMPRESSOR MODEL : DA300 Oil-Free

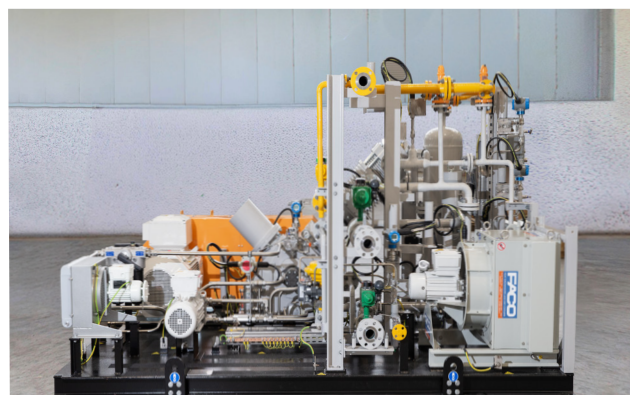
N. CYLINDERS : 1

INLET PRESSURE : 5 bar

OUTLET PRESSURE : 32 bar

POWER : 22 kW

INSTALLATION COUNTRY :  UAE



GAS GATHERING

.....

PACKAGE : SKID

COMPRESSOR MODEL : DA500 Oil-Free

N. CYLINDERS : 2

INLET PRESSURE : 0,25 bar

OUTLET PRESSURE : 11 bar

POWER : 200 kW

INSTALLATION COUNTRY :  HUNGARY



The Project

.....

Casalgrande Padana, a leader in **porcelain stoneware** production, decided to upgrade its plant with a new natural gas **cogeneration system**, developed by **Cefla Engineering**.

The goal was to **enhance energy efficiency** and **reduce environmental impact**.

LA PARTERSHIP

.....

To meet the **high standards** of purity and efficiency required by the system, Cefla Engineering selected **Fornovo Gas** as its technological partner.

The choice was driven by Fornovo Gas's proven expertise in manufacturing oil-free reciprocating compressors designed according to **API 618 standards**, ensuring **maximum methane purity** and **optimal performance** for cogeneration applications.



CASE STUDY

GAS TURBINE

.....

PACKAGE : GASVECTOR

COMPRESSOR MODEL : DA300 Oil-Free

N. CYLINDERS : 2

INLET PRESSURE : 5-12 bar

OUTLET PRESSURE : 18 bar

POWER : 75 kW

INSTALLATION COUNTRY :  ITALY

FINAL OUTPUT

.....

The solution allowed Casalgrande Padana to maximize power supply to the turbine, ensuring **efficient, reliable, and clean gas** compression.

A **fully integrated system** aligned with the company's industrial and **environmental goals**.



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