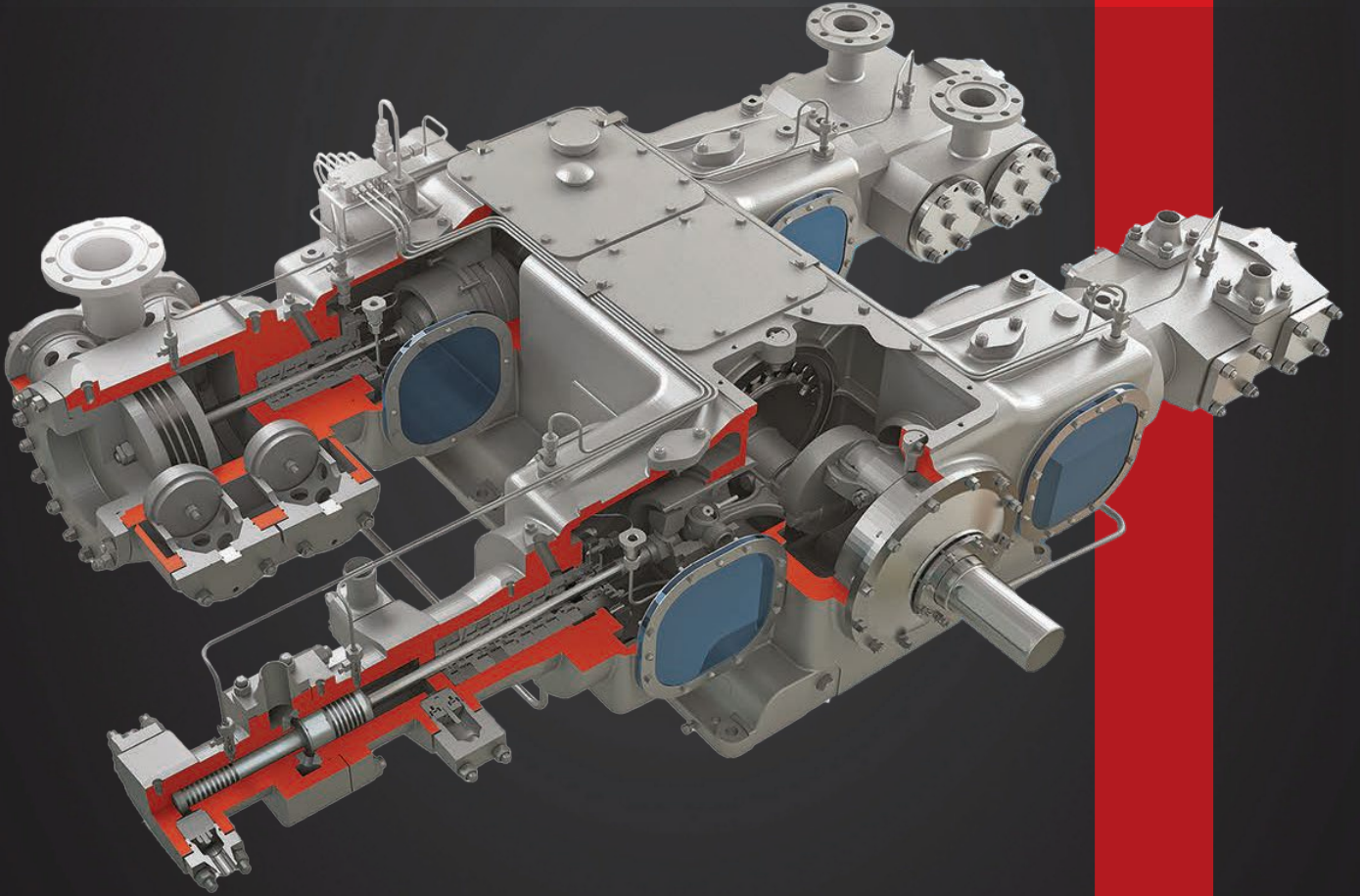


DALGAKIRAN

SENSI
GAS SOLUTIONS

For Compressed Gas Systems

Industrial Solutions



BUREAU VERITAS
Certification
ISO 9001:2015



API | 618

HAVANIN
YOLCULUGU

SENSI GAZ ÇÖZÜMLERİ

Dalgakıran Sensi Gas Solutions has been providing innovative solutions for world-class energy systems since 1993 . We successfully combine years of experience with cutting-edge technologies to develop engineering solutions that provide strong support to key industrial sectors worldwide.

Our products comply with API 618 reciprocating gas compressor standards.



30+ YEARS

Over 30 years of experience in oil and gas equipment, 60 years of experience in compressor technology.

130+ COUNTRIES

Thanks to its strong global presence, the application has been successfully implemented at thousands of customer sites around the world.

Ar-Ge

Special R&D studies for the application of innovative technologies in accordance with API 618 standards.

Comprehensive Solutions from DALGAKIRAN

Development and Production: We design and manufacture piston compressor components using the latest technologies to provide reliable solutions.

Service and Maintenance: We offer a comprehensive range of services while minimizing downtime.

Modernization: We adapt existing equipment to enhance efficiency, taking into account the specific requirements of our clients.

Staff Training: We organize training for our clients to improve qualifications, reduce risks, and increase efficiency.

Tam Üretim Döngüsü

Analysis of Customer Needs: We analyze specific requirements and provide the most advantageous and suitable solutions, ensuring the ideal balance between cost, quality, and functionality.

Design and Development: We create technical drawings and 3D models, develop prototypes for testing, and select high-quality materials. In our designs, we consider climatic conditions, loads, pressure, chemical resistance, environmental requirements, as well as material cost and availability.

Part Production: We use modern machinery to ensure high precision in the processing of each part. Process automation enables production with superior precision. All parts are rigorously inspected for compliance with quality standards.



Precision and accuracy are key elements in the manufacturing of gas compressors. These qualities are of great importance, especially in piston gas compressors that comply with API 618 norms, where high-pressure industrial applications require rigorous standards. These features are; It ensures the reliability, efficiency, and safety of compressors, delivering uninterrupted performance in critical sectors such as oil and gas, petrochemicals, and natural gas processing.

Testing and Quality Control: We put our products through a comprehensive testing and quality control process. We carry out hydraulic tests of pressure-resistant components on our certified test stand, and we also carry out field tests to ensure that the product meets the specified technical requirements.

Service and Customer Support: We offer service and support throughout the entire lifecycle of the machine.

Reciprocating Gas Compressors

Intended Use: For example, it is designed to support technological processes during the operation of gas pressurization units, to compress the co-released Petroleum By-Product Gas (APG) for injection into main pipelines, and to serve as a booster compressor for the pre-compression process in stations operating with low inlet pressure, such as natural gas filling stations. It is also used in the production of nitrogen and oxygen in air separation plants.

Akışkan

1. Natural Gas
2. Petroleum By-Product Gas (APG)
3. Noble Gases and Mixed Gases
4. Hydrogen
5. Biogas
6. Fuel Gas
7. Air

Soğutma

14. Air-cooled
15. Water-cooled

Yağlama

8. Cylinder-piston group lubricated
9. Limited lubrication
10. Lean

Tahrik Tipi

16. Dizel Motor
17. Electric Motor
18. Gas Fuel Engine

Yerleşim Tipi

11. Horizontal
12. Vertical

Kapasite

19. Maximum 15,000 Nm³/s

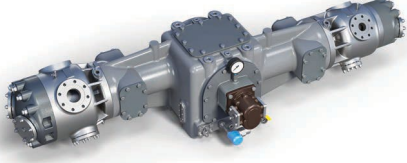
Giriş Basıncı

13. Atmospheric pressure up to 50 bar(g)

Çıkış Basıncı

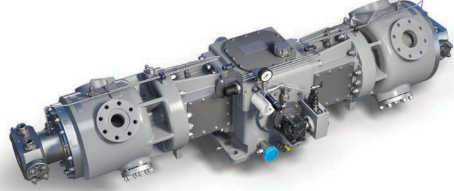
20. Up to 400 bar(g)

MODELLER



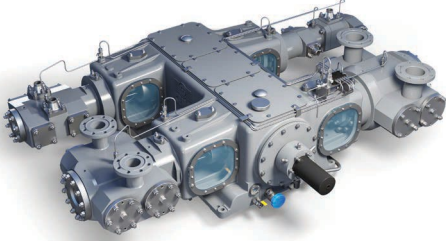
1.5SGI

Number of stages: **2**
Piston force, t: **1.5**
Max. power, kW: **75**
Max. capacity, m³/sa: **800**



3SGI

Number of stages: **2**
Piston force, t: **3**
Max. power, kW: **160**
Maks. Capacity, m³/sa: **2000**



3SGH

Number of stages: **4**
Piston force, t: **3**
Max. power kW: **320**
Max. capacity, m³/sa: **4000**



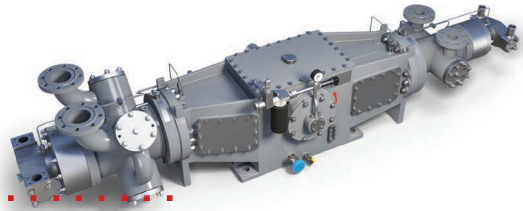
3SGHI

Number of stages: **6**
Piston force, t: **3**
Max. power kW: **500**
Max. capacity, m³/sa: **6000**



6SGI

Number of stages: **2**
Piston force, t: **6**
Max. power kW: **400**
Max. capacity, m³/sa: **4600**



10SGI

Number of stages: **2**
Piston force, t: **10**
Max. power kW: **500**

S - Üretici firma **SENSI** için
Max. capacity, m³/sa: **8000**

Sıkıştırılan akışkan: **G** - Çeşitli gazlar **A** - Hava;

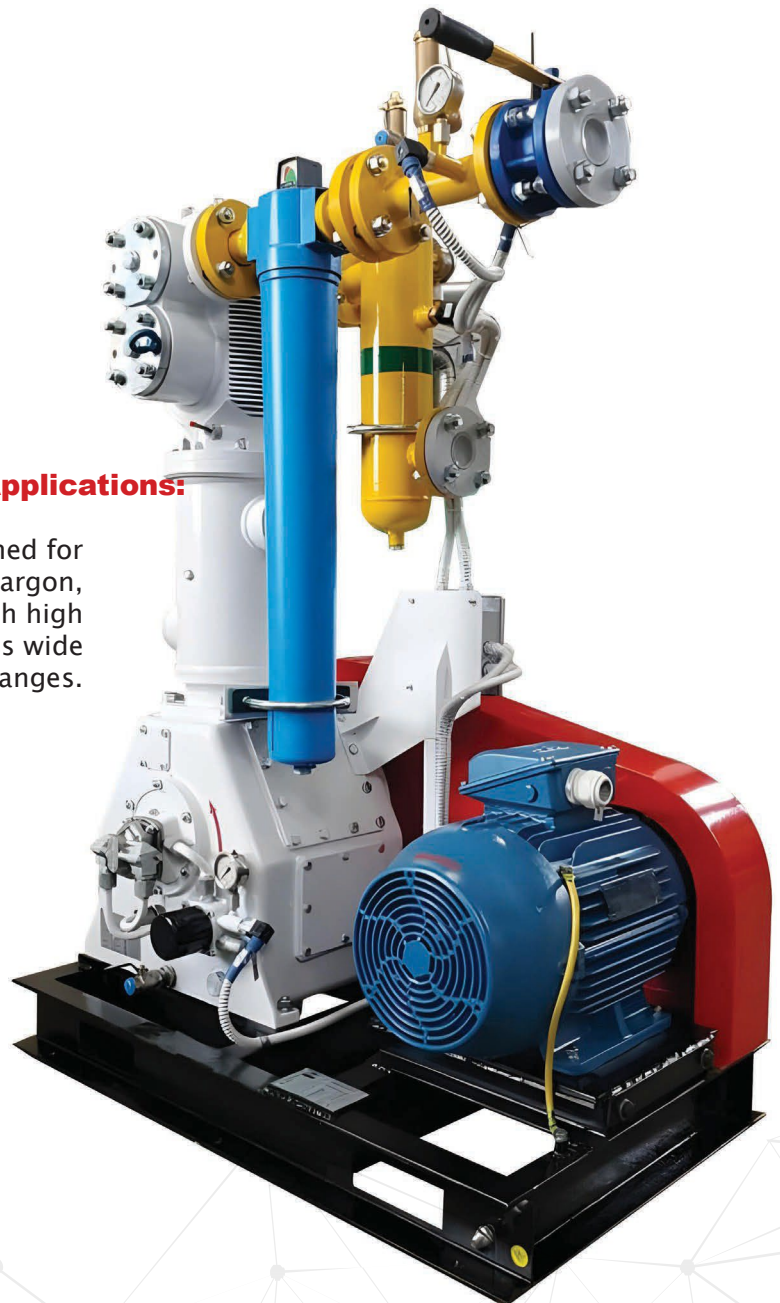
Kompresör yerleşim konfigürasyonu **I** - İki sıralı **H** - Dört sıralı **HI** - Altı sıralı

Chassis Top Compressors

It enables the compression of gases without the use of oil, fully guaranteeing the quality of the compressed gas. The operating times of these compressors reach up to 8,000 hours without maintenance.

Specialized Applications:

This unit is designed for efficient and safe compression of argon, ensuring stable operation with high reliability and performance across wide temperature and pressure ranges.





Mobil Compressor Solutions

BREAKWATER | SENSI Mobile Gas Compressor Stations are designed to be portable on wheeled platforms and offer gas compression from atmospheric pressure to 400 bar. It is used safely in many different sectors, especially oil extraction, gas processing and energy.

What Is It Designed For?

1. Nitrogen or air injection for leak testing into pipelines
2. Gas evacuation in emergency pipeline sections
3. Testing, commissioning and repair of oil and gas wells
4. Nitrogen generation from air

The MCS-120/40 mobile compressor station is designed for use in repair and testing of pipelines in main gas pipelines and other technological processes in the oil and gas industry.

Station; It consists of LGCY-39/25C model screw gas compressor and 3SAH2.5/21-121 model reciprocating gas compressor.

It is mounted on a truck chassis with an 8x8 wheel arrangement.

The main equipment of the MCS-120/40 is housed in a special container placed on the vehicle chassis. edilmektedir.



Gas-Set Compressors

It is designed to meet the needs of gas compression in remote production sites where infrastructure is at a premium.

They can work both independently and in common systems integrated with similar units.

Advantages

1. Transported by appropriate standard transport vehicles
2. Can be installed in the field in a short time
3. Does not require a pile foundation
4. Can operate fully autonomously

This sample station is designed to compress Petroleum By-Product Gas (APG) and consists of two

It consists of separate compartment:

Electrical generator compartment and compressor compartment.

As a power source, powered by a gas fuel engine
A 250 kW alternating current generator can be used.



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