

# PERFORMING UNDER PRESSURE

HEM/HE
Helium/Argon
Compressors







### **HIGH AIR**

- HIGH AIR is a professional compressor manufacturer in the world, located in Shanghai covering an area of 10000 m2 and we have ability to design, manufacture and test high compressors under 400KW.
- We specialize in the design, processing and manufacturing of gas compressors. Our business idea is to offer most reliable compressors, professional and economical solutions.
- We have passed ISO9000, GC, HSE audit. We successfully became Certifed suppliers of CNPC, CNOOC and SINOPEC and we have a solid reputation for high quality products.



# HIGH AIR Specialists in Medium and High Pressure Compression For different gas applications









#### **Applications**

- Helium Recovery
- Helium cylinder filling
- Argon Recovery
- Argon cylinder filling
- Helium leak detection
- · Helium balloon recovery
- Cryogenic

Committed to providing high-quality gas compressor products, the production and processing of core components in HIGH AIR compressors are independently completed within HIGH AIR factory.

Sophisticated processing equipment and rigorous inspection methods ensure the consistent quality of each component.

The careful selection of materials and components ensures that each HIGH AIR compressor operates effciently and reliably under the most demanding operating conditions

From compressor block, compressor package to gas systems, HIGH AIR offers a diverse range of products and services to meet the diverse needs of customers.







#### **HEM/HE Series Helium/Argon Compressors**

#### [Overview Product Range]

The HEM/HE series helium/argon compressors are widely used in industries such as helium/argon recovery and helium/argon filling.

Whether it is industrial helium/argon or high-purity helium/argon; Whether you need a filling compressor or the entire recycling system, HIGH AIR can provide customized solutions for you.

#### **Various**

#### **Design version**

#### **HEM Series**

Flow:10-25Nm<sup>3</sup>/hr Pressure: 150-250Bar





#### **HE Series**

Flow:50-150Nm<sup>3</sup>/hr Pressure:150-350Bar

#### **HE Series**

Flow:200-350Nm<sup>3</sup>/hr Pressure:150-350Bar

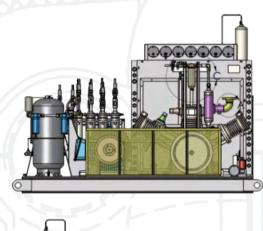


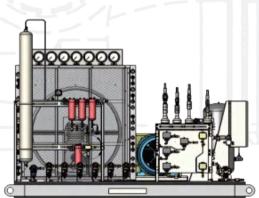
## **/// HIGH AIR**

#### **HIGH AIR** offers field

proven helium/argon compressor system in skid-mounted configurations that combine ruggedness with simplicity of

Design for low maintenance and long life.





#### [Design Features]

Our universal modular design brings more flexibility and convenience to adjusting the combination of pistons, cylinders, cylinder heads, and valves, enabling us to provide customers with more efficient and economical systems. Our design features and advantages determine that our unit can withstand the test of time and gain.

- Easy to install and maintain
- Good balance and low vibration
- Low maintenance workload and operating costs
- Low compression ratio and temperature rise
- No special foundation requirements
- High operational efficiency
- Designed for continuous operation, suitable for heavy-
- duty work
- Max. working pressure is 350Bar
- Low noise

Silent Helium Compressor System



#### **HEM/HE Series Helium/Argon Compressors**

#### Helium/Argon Compressor Sysetm with a Reputation for

#### Innovation, Quality and Reliability

#### [Custom Built Skid-Mounted Helium/Argon Compressor System]

- Reliable compressor block, adopting modular design, with multiple cylinders available for selection; match the compression stage and cylinder size based on the compression ratio to ensure low pressure ratio and low operating temperature at all stages.
- Perfect safety protection, real-time monitoring of suction on pressure, discharge pressure, and temperatures.
- Pressure-tight crankcase and drain collection system, achieving zero leakage of the unit.
- Fully automatic PLC control system, achieving unmann ed operation of the unit; Monitor all operating parame ters of the unit to ensure safe and reliable operation.
- According to different requirements, different filtration systems and drying systems can be selected.
- Full skid mounted design, all components are installed on the common skid, with simple installation and no requirements for the heavey foundation.









High Pressure filter system

## /// HIGH AIR

#### [Turnkey Solution]

- Deisel Engine driven
- Water cooled
- Cabinet design
- Pre-cool/heat system
- Direct coupling design
- Helium filtration system
- Regenerated dryer
- Silent design
- Truck mounted/Trailer system



Silent Helium Compressor System



Truck mounted helium compressor

Model	Pressure Bar	Flow m³/min	Power kw	Dimensions mm	Weight kg
HEM15-200	200	15	7.5	100*720*1365	266
HEM25-200	200	25	15	1400*850*1660	500
HE50-200	250	50	22	2055*1000*1200	600
HE100-200	200	100	45	2875*1300*1600	2200
HE150-200	200	150	75	2875*1300*1600	2250
HE200-200	200	200	90	3300*2100*2000	5200
HE300-200	200	300	132	3300*2100*2000	5400

<sup>1.</sup> The above parameters are based on atmospheric pressure suction;.

<sup>2.</sup>The above dimensions and weights are for air-cooled and belt driven units, excluding purification and filtration systems.

<sup>3.</sup> Water cooled, compressor packages are avaliable.

<sup>4.</sup> All parameters are subject to change without prior notice.

# FOR MORE THAN 30 YEARS WE'VE BEEN FINDING BETTER WAYS TO COMPRESS AIR & GAS

# HIGH PRESSURE HIGH QUALITY HIGH AIR



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