

Process Gas Screw Compressors



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High performance process gas screw compressors are widely used in all kind of industries specially for Oil, Gas and Petrochemical applications.

HATCO comprehensive experience and background in manufacturing screw compressor packages serves diverse range of products to meet client requirements for process gas compressors.



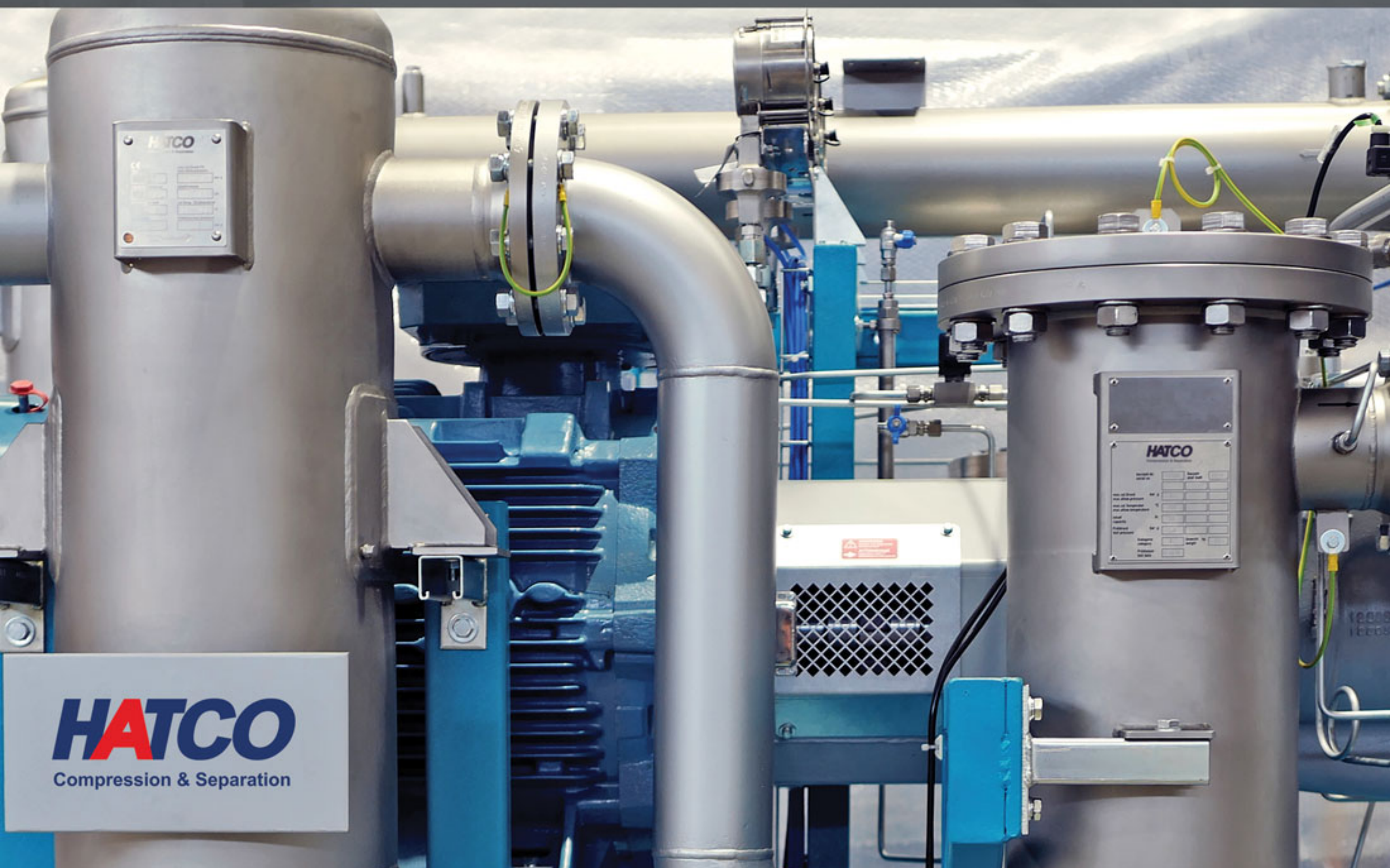
Welcome to HATCO!

HATCO is a company specialized in the planning, engineering, design and realization of turnkey, Customization solutions for the air and gas compression and separation plants including all exclusive project's services. Since 1997, year of its foundation, HATCO brand stands for quality and reliability, but also for innovation and orientation to the future. Thousands of compression packages operating across the country prove our reliability even though they are for heavy industries and air separation plants.

Our aim is to promote a constant improvement about products we do manufacturing, developing and enhancing, at the same time, the quality of life.

Our wealth of knowledge combined with the continuous dedication to research and experimentation allows us to constantly improve our products and develop innovative and tailor made solutions.

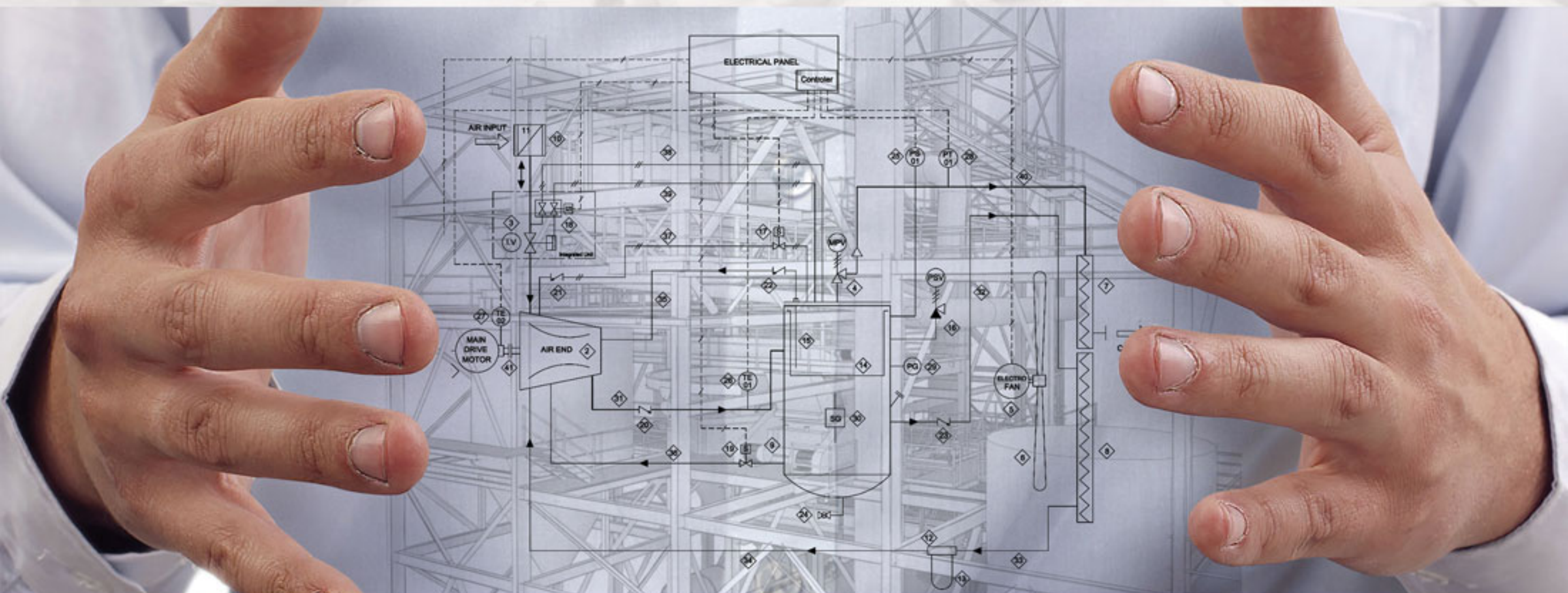
HATCO as a one leading manufacturer and packager of compressor equipment in Iran is registered in the Approved Vendor List (AVL) of Iran Oil Ministry for process gas screw compressors.



HATCO
Compression & Separation

Application of gas screw compressors could be included but not limited to:

<u>Application</u>	<u>Process Gas</u>	<u>Screw comp. Type</u>
Natural gas	Liquefied natural gas (LNG) Gas supercharging	Oil-inject Oil-inject
Coalbed methane (CBM) Oil field	Coal-bed gas pressurization Associated gas gathering Flare gas recovery Flash steam	Oil-inject Oil-inject / Oil Free Oil-inject / Oil Free Oil-inject / Oil Free
Petrochemical industry	Constant pressure relief device -exhaust gas Reformer -analytical gas Desulfurization device -desorption gas Aromatics, styrene, isomerization, etc. exhaust gas	Oil-inject / Oil Free Oil-inject / Oil Free Oil-inject / Oil Free Oil-inject / Oil Free
Oil Refinery	Desulfurization process Net gas pressurization Refined exhaust GTG fuel booster	Oil-inject Oil-inject Oil-inject Oil-inject
Steel and Iron Industry	Coke oven gas (for Gas Turbine) Coke oven gas (PSA)	Oil-inject / Oil Free Oil-inject/Oil Free

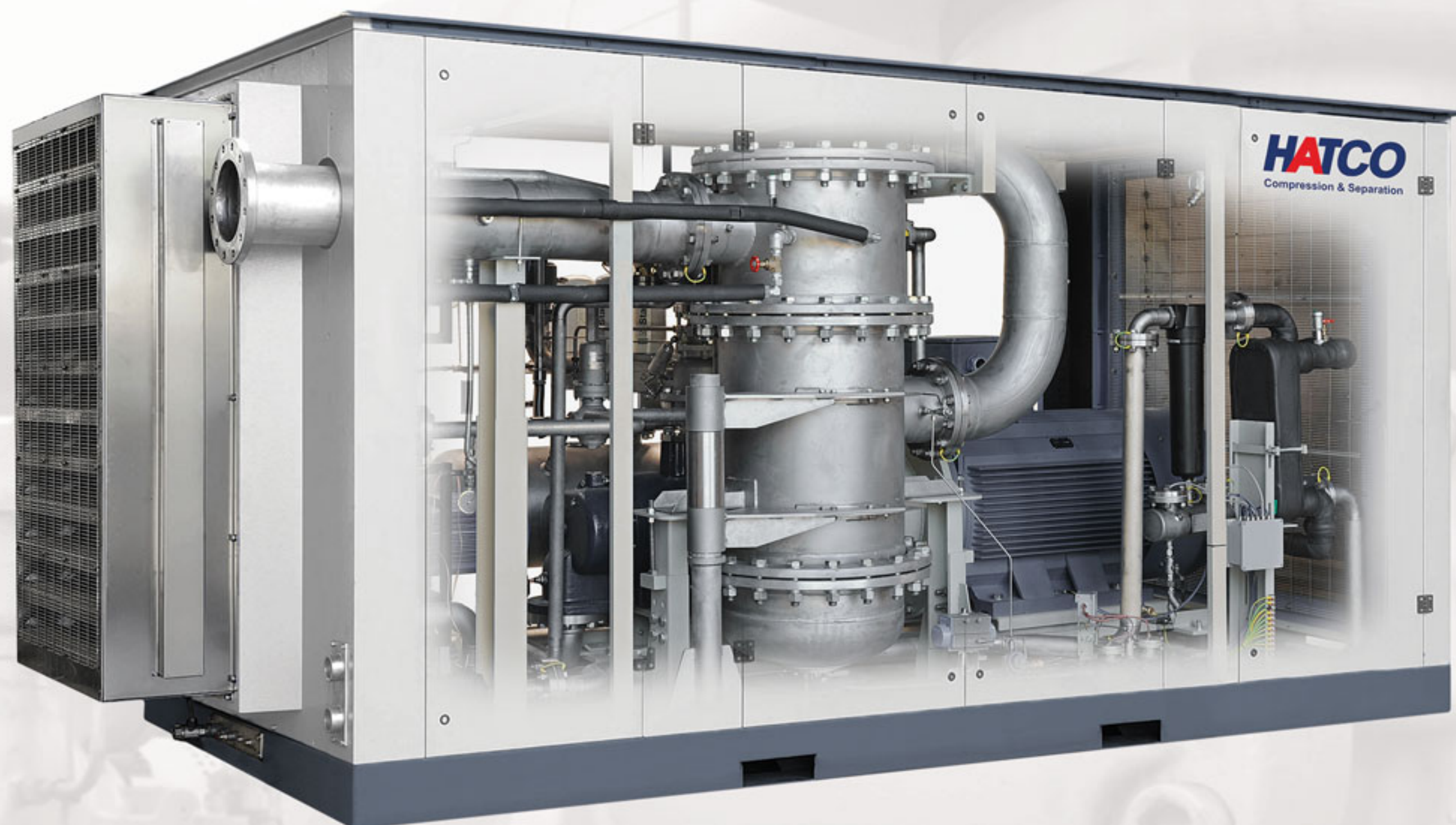


Technical Features of HATCO Process Gas Screw Compressor Packages

- Complying with API 619, API 614, API 671 standards
- Customizing to purchaser requirement and standards
- Explosion proof safety (suitable for Natural Gas, Petroleum, Chemical industry etc.)
- Advanced screw profile technology
- Two stage energy saving technology including frequency converter technology
- Advanced oil inject technology with minimum oil vapor contaminant
- Highly automated control system
- Diverse gas application (Inflammable, explosive, acidic, sour, corrosive, etc.)

Advantages of HATCO Process Gas Screw Compressor Packages

- Running continuously more than 2 years
- Two-stage compressor of High efficiency and energy saving
- Small floor space, skid mounted
- High stability, well controlled
- Easy to operate with intelligent interface
- Low maintenance, high reliability



Application Range of HATCO Process Gas Screw Compressors

Screw core compressors are supplied both in single stage and multistage covering Max. 7200 m³/hr and 30 Bar (g) in a package.

Model No.	Nominal Diameter	Length to Diameter Ratio	Capacity m ³ /hr	Max. Discharge Pressure MPa(G)
HGD 120	BHN117	1.65	60-120	2.5
HGD 420	BHN143	1.65	180-420	2.5
HGD 1000	BHN178	2.0	400-1000	2.5
HGD 1500	BHN204	2.0	900-1500	2.5
HGD 2000	BHN230	2.0	1200-2000	2.5
HGD 2600	BHN265	2.0	1800-2600	2.5
HGD 4200	BHN305	2.0	2400-4200	2.5
HGD 7200	BHN360	2.0	4000-7200	2.5

Sales engineering solutions:

From small point of use plants to large, custom engineered compressed air for the most demanding industrial applications, let's let our specialist assist in meeting your requirements.

We have the capabilities to customize products for even the most unique applications. Our engineering staff will assist in the custom design, engineering and build of your compressed air equipment to fit your applications to exact specifications for superior performance and energy savings.

Customization options;

- Hazardous area classification
- Special metallurgy for components
- Customized Coolers and Fans
- Weather protection
- Global Standards compliances (e.g. API Codes)



If you want to extend how long your compressor will last, good maintenance is your best friend.

Services:

Our Commitment:

Our mission is simple; to flourish by helping our customers to achieve their business goals. HATCO has been building custom air compression and separation plants for many years. We take pride in our work and make every effort to meet and exceed the customers' expectations. In global vision and as a domestic market's leader, our aim is to impress with the quality and professionalism of our own duty. We are here to make complexity become simplicity.

Project Services:

HATCO provides various kinds of services from technical assistance to site after sales services to satisfy customer's needs. We have dedicated engineers and technicians with extensive experience and expertise for each service.

After Sale Services:

We have a special service organization for Punch Clear works that begins after equipment delivery at site for our own products and equipment supplied by other vendors as well. If needed, we can transport all equipment to our shop to correct the critical punch items (if any).

Major Services;

- Factory Acceptance Test
- Site Acceptance Test
- Punch Clear Services
- Commissioning Services
- Spare Parts
- Warranty Claim
- Customer Training



HATCO is "Where Complexity Becomes Simplicity."



HATCO

Compression & Separation

Building 114, Kajabadi St,
Africa Ave, Tehran, Iran
Postal Code:19669913175
Tel: +98 21 28 11 10 19
Fax:+98 21 22 66 41 16
info@hatco.ir
www.hatco.ir

