#### По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231 Архангельск (8182)63-90-72 Астрахань (8512)99-46-04 Барнаул (3852)73-04-60 Белгород (4722)40-23-64 Брянск (4832)59-03-52 Владивосток (423)249-28-31 Волгоград (844)278-03-48 Вологда (8172)26-41-59 Воронеж (473)204-51-73 Екатеринбург (343)384-55-89 Иваново (4932)77-34-06 Ижевск (3412)26-03-58 Иркутск (395)279-98-46 Россия (495)268-04-70 Казань (843)206-01-48 Калининград (4012)72-03-81 Калуга (4842)92-23-67 Кемерово (3842)65-04-62 Киров (8332)68-02-04 Краснодар (861)203-40-90 Красноярск (391)204-63-61 Курск (4712)77-13-04 Липецк (4742)52-20-81 Магнитогорск (3519)55-03-13 Москва (495)268-04-70 Мурманск (8152)59-64-93 Набережные Челны (8552)20-53-41 Нижний Новгород (831)429-08-12

Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81 Новосибирск (383)227-86-73 Омск (3812)21-46-40 Орел (4862)44-53-42 Оренбург (3532)37-68-04 Пенза (8412)22-31-16 Пермь (342)205-81-47 Ростов-на-Дону (863)308-18-15 Рязань (4912)46-61-64 Самара (846)206-03-16 Санкт-Петербург (812)309-46-40 Саратов (845)249-38-78 Севастополь (8692)22-31-93 Симферополь (3652)67-13-56

Казахстан (7172)727-132

Смоленск (4812)29-41-54 Сочи (862)225-72-31 Ставрополь (8652)20-65-13 Сургут (3462)77-98-35 Тверь (4822)63-31-35 Томск (3822)98-41-53 Тула (4872)74-02-29 Тюмень (3452)66-21-18 Ульяновск (8422)24-23-59 Уфа (347)229-48-12 Хабаровск (4212)92-98-04 Челябинск (351)202-03-61 Череповец (8202)49-02-64 Ярославль (4852)69-52-93



# **Custom Air Compressors Skid Packages**

Gardner Denver's skid-mounted packages are turnkey compressed air systems designed to meet the strictest customer technical requirements. Gardner Denver has the capability to supply engineered rotary screw, centrifugal and reciprocating air compressors mounted on common skid, offering a "plug and play" solution.

These skids generally consist of compressors, dryers, filters, receivers, coolers, and other ancillary equipment. These air compressors packages are completely assembled with piping and control of the installation (PLC). to provide stable and reliable air to a variety of plants.

The air compressors skids are a very flexible solution. These air packages will be easily handled and placed at customer plants.

#### **Instrument & Services Air Compressors Skids for EPC projects**

Gardner Denver has a wide experience providing Instrument and Service Air (IA & SA) skids for EPC projects. Based on the extensive experience we have built-up with EPC companies, we have the capacity to carry out complex projects for our customers with bespoke and custom requirements. Whatever details matter to you, Gardner Denver compressors skids are designed to meet your needs exactly.

Instrument and service air (IA & SA) equipment is used in a wide range of industries, from power generation and oil & gas, to chemical and manufacturing.consumers; some of which play a critical role in maintaining plant operation and safety. As a result, any equipment or systems used need to be properly designed, and capable of producing the right quantity of quality air required by users.



# **Installation types**

### Shelter

- Rolling-contact oil lubricated bearings, for long service life and high reliability
- Heavy duty pump shaft guarantees high reliability and low deflection for a perfect seal
- Protected shaft from the liquid conveyed (1st - except for RN 32-125, 2nd, 3rd support) in order to prevent corrosion and to allow the use of materials with highperformance mechanical characteristics
- Extremely rugged bearing support constructed following the BACK PULL-OUT system to facilitate maintenance
- The casing is the result of an innovative design with trapezoidal volute to reduce loss and increase the efficiency of the pump

### Skid

- Equipment installed in a common skid except for receivers - interconnecting piping between equipment and receivers is disassembled for transport
- Easy transportation
- Connection points with customer: compressed air outlet, cooling water drains and electrical supply
- Compact design



## Individual Equipment installed

- Whole installation mounted in our facilities
- Before transportation all piping and wiring is disassembled
- Connection points with customer: compressed air outlet, cooling water drains and electrical supply





### What We Deliver

Gardner Denver provide full turnkey solutions from initial site surveys through to design, installation and final commissioning. Our fully qualified engineers assess all critical factor to ensure the complete compressor installation functions reliably whatever the environment.

We offer customer support throughout all phases of a project:

## Design

- Basic and detailed design engineering
- Compressor modification to customer requirement
- Project integration
- Quality, environmental and safety management
- Feasibility studies, market studies and technical, economic and financial consultancy
- Compressor, blower, vacuum pump design and modification to project specification
- Detailed project scheduling

### Commissioning and start-up

 Construction, assembly, pre-commissioning, commissioning and startup

- Marking and packaging of the complete supply
- Shipping
- Customer training

## Project management

- Design and manufacturing according to customer specifications
- Documentation to customer requirements (mechanical, electrical, I&C, quality, logistics, etc.).
- Quality documentation to client requirements and country of destination
- Preparation of as-built drawings: P&ID, general arrangement, sectional drawings and 3D modelling.
- Complete assembly of the compressed air system, including piping and control of the installation (PLC)
- Preparation of installation, operation and maintenance manuals
- Protection against severe ambient conditions
- Purchasing, inspection, expedition and logistics management
- Inspection tests (mechanical, hydrostatic, packing...) and final tests





# **Engineered Air Compressors Packages**

Gardner Denver is committed to supply turn-key integrated compressed air systems. Air compressors, air dryers, nitrogen and oxygen are assembled in flexible packages. They are designed and manufactured with all the ancillary equipment.

All components are combined in one pre-assembled package and ready for operation. This flexible solution is easy to integrate into any process. It helps minimize operating costs and prepare to face the strictest quality standards.

At Gardner Denver we know that every customer has unique necessities. Every package can therefore reflect the particular requirement of each customer. Gardner Denver air compressors packages are also designed for operation in harsh environments. Our equipment is engineered to face the most extreme ambient temperatures and special environmental conditions.

Gardner Denver has experience providing these air compressors packages to the Engineering, Procurement and Construction (EPC) and engineering companies. Our extensive experience in this project type has led us to integrate the most complete range of air compressors.

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Смоленск (4812)29-41-54

Ставрополь (8652)20-65-13

Сочи (862)225-72-31

Сургут (3462)77-98-35

grw@nt-rt.ru || https://gardnerdenver.nt-rt.ru/