OIL & GAS Technical Description

API 619 SCREW COMPRESSOR PACKAGES

Capacity up to 6000 Nm³/h
Available discharge pressures from 3.5 bar(g) to 25 bar(g)
Nominal power up to 800 kW
Welcome to Adicomp!

Adicomp is leader in **supplying technologies and services related to both air and gas compression** into different industrial markets. Choosing Adicomp means to rely to a brand which takes part actively on international market developing new technologies and supplying innovative application solutions for the future.
Adicomp, thanks to own wide range products and services, **improves the quality of life offering innovative solutions** around the world.
Since 1998, year of its foundation, Adicomp brand stands for quality and reliability, but also for innovation and orientation to the future. Thousands of compression packages operating across the world prove our reliability even though they are for air compression, technical gases compression or for compressing any derivation of methane related to cogeneration world.
Our mission is to make air and gas compressors advanced technologically and ecologically for all the most modern industries and service companies.
Our aim is to promote a constant improvement about products we manufacture, 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.

Since 2013 Adicomp S.r.l. is part of Temomeccanica S.p.A. Group
We have the solution!

Today we’re able to supply compressor packages for air and gas in a wide range of alternative executions, based both on oil-injected or oil-free rotary screw compressors. As independent packager, Adicomp, chooses the best available model and size of compressor using the product range of international well-known manufacturers such as Termomeccanica, GHH-Rand for screw compressors. We’re specialized in designing and realizing highly customized industrial packages to treat and compress air or gases. Our competence comes from experience and our exclusive products come from flexibility, commitment and research to provide, finally, the right solution for our customers needs.

![Oil injected screw compressor](Image)

![Oil free screw compressor](Image)

Certifications

Company certifications


![Certifications](Image)

Product certifications

Our compressors blocks and compressor packages are compliant with API 619 Standard. As a standard, all our products are in conformity with the European Machinery and PED Directives. Our compression stations are suitable for Explosion Proof Area, Zone 1 and Zone 2. Upon request, we can provide compressor systems certified according to the US Regulations (ASME, UL, CSA) or Euroasian Certification (TR-CU).
Typical applications of our compressors in the up-stream, midstream, downstream

Compressors for gas Gathering
Gas Boosting and Transmission
Vapor recovery System
Wellhead gas
Gas treatment
Services Air
Compressor and driving systems

Shale Gas/Tight Gas
BOG (Boil Off Gas)
Flare Gas
Gas injection
Instrument Air
Black start

Main features of our compressor Systems

Products and accessories supplied by Adicomp

Motor starters
Lubrication systems (for oil injected compressors)
Control and instrumentation
Air and gas dryers
Air and gas receivers
Air and gas treatment and filtration systems
Chillers
Start up and commissioning

Motors and drives

Our compressor can be driven either by LV, MV, HV electrical motors (DOL or under VSD - Variable Speed Drives) or by diesel engines, gas engines, turbines. The electric motors used can vary from IE1 to IE3 efficiency class, with F/B insulation/over-temperature class. Motor starters can be part of Adicomp scope of supply.

Cooling

We can realize both air (manufacturer standard or API 661) or water cooling systems according to ambient conditions and customer needs. Open or closed water cooling circuits are available. If requested we can provide also water chillers.

Electronic Control Panel

Compressor control and automation can be realized by an electronic switchboard or by a PLC, and the Operator interface is granted by a Touch Screen Monitor, which displays the working conditions of the machine and the triggering of any alarm and block. The Control System is capable of processing all signals in real time as well as the functioning parameters by means of transducers fitted inside the Package and in combination with the VSD, if present. The Control System makes possible to:
Control the operating conditions of the Compressor;
Change the programmed working conditions;
Determine any maintenance work in an automatic manner.
Communication Protocols

Every Adicomp compressor can be connected through a Modbus or a Profibus gateway for data transmission and communication to DCS (Distributed Control System).

Enclosures

Open frame version suitable for indoor installation;
Soundproof enclosures, suitable for installation with a noise level from 70 dB to 80 dB at 1 m;
Supersilenced enclosures are available on request with soundproofing conveyors and increased sound adsorbing material;
Standard Weather Proof enclosures cover the temperature ranges from -20°C to 40°C ambient temperature, by adjustable louvres and warm air recycling system;
Winterization enclosure for extreme low temperatures down to -50°C;
Tropicalization for extreme high ambient temperatures up to 60°C;
Containerized solution available upon request.

Filtration and depuration

Water and other contaminants like H2S can be removed in many ways through the compressor skid, like refrigerated heat exchangers followed by water separators and automatic drain valves and by active carbon columns.

Control and instrumentation

Our skids can be equipped with vibration, pressure level, flow and temperature detectors; these can be visual indicators or analogic/digital sensors connected to the Compressor Control System.

Compressor packages for Argon, Hydrogen, Nitrogen, CO2, Mixed hydrocarbons, Air.
Authorized service centers

Service Division Headquarter
Vicenza – Italy
Strategy & Coordination

Termomeccanica Service Center
Network
Worldwide for specific areas or products
Global Solutions

Local Services Companies & Agents
Worldwide
On-site Operations & Customer direct contact

Service Agreements Portfolio - LTSA (Long-Term Service Agreements)

Spare parts supply price agreements;
On-call field services agreements;
Maintenance agreements;
Monitoring & Diagnostics service agreements;
Logistics & Maintenance Global Service agreements.
Well-known partners of Termomeccanica Group