

Compresor centrífugo de aire y gas MSG-4/5

Los compresores MSG® se han diseñado a medida y fabricado para satisfacer las necesidades individuales de los clientes en una gran variedad de aplicaciones. Nuestros compresores de tipo MSG se han fabricado con componentes del caudal de aire de alta tecnología, diseñados para garantizar una instalación y un funcionamiento fáciles y de bajo coste.

Características

GAS FLOW ARRANGEMENT

MSG centrifugal compressors feature an advanced arrangement of gas flow components. Advantages of this arrangement include:

- Directed gas movement to reduce turbulence induced friction
- Air is cooled after every stage to provide high isothermal efficiency

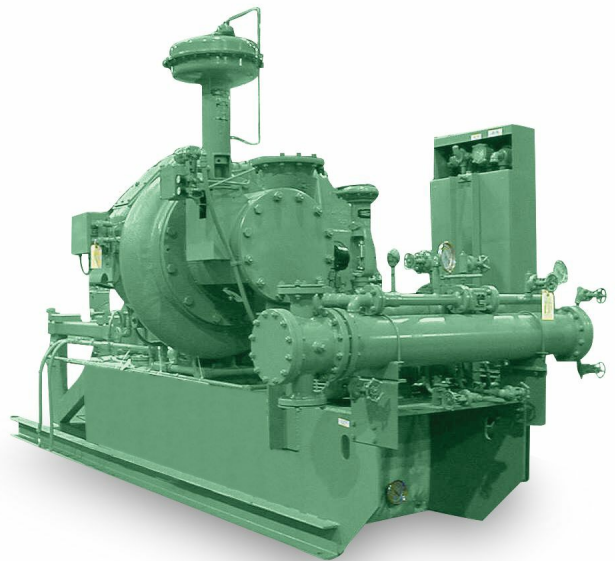
Air Flow Diagram

1. Compressor inlet
2. First-stage compressor volute
3. Coolant in
4. Coolant out
5. First-stage intercooler
6. Second-stage compressor volute
7. Second-stage intercooler
8. Third-stage compressor volute
9. Compressor discharge

MSG® INTEGRALLY GEARED CENTRIFUGAL COMPRESSORS

MSG (multi-stage geared) compressors offer outstanding design flexibility. MSG compressors are application engineered with numerous available configurations:

- Flows from 70 to 3800 m³/min (2500 to 135,000 CFM)
- Input capacity to over 18,650 kW (25,000 hp)



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- Discharge pressures to 100 barg (1450 psig)

FEATURES

Oil-Free Air and Gas

- Prevents system contamination
- Reduces the potential for compressed air pipeline fires caused by oil carryover
- No costly waste disposal associated with oil-laden condensate
- Eliminates the expense and maintenance of oil separation filters at the discharge

High Reliability

MSG centrifugal compressors are designed to be extremely reliable due to:

- Conservative high-quality gear design
- Long-life pinion bearing design
- Thrust loads absorbed at low speed
- Stainless steel compression elements

Low Compressor Operating Life Cycle Cost

MSG centrifugal compressors provide better overall operating efficiency than positive displacement or other centrifugal compressors.

- Excellent efficiencies at full load, part load and no load
- Low maintenance cost
- Increased uptime from high-reliability design (limits the need for multiple unit installations for basic reliability reasons)
- No sliding or rubbing parts in the compression process that can cause wear and thereby efficiency loss

APPLICATIONS

Engineered Air Applications

- Industrial gases
- Instrument air
- American Petroleum Institute (API) standards
- Soot blowers
- Large plant air
- Power industry related

Gas Compressor Applications

- Fuel gas boosting
- Natural gas gathering
- Hydrocarbon refrigeration gas
- Carbon monoxide
- CO2 (wet or dry)
- SynGas
- Low molecular weight recycle gas
- High-pressure nitrogen
- Landfill gas

Especificaciones de los modelos

Specification	Metric	Imperial
Standard Input Power	up to 4850 kW	up to 6500 hp
Discharge Pressure	up to 100 barg	up to 1450 psig
Inlet Flow	200 to 500 m ³ /min	7000 to 17,700 CFM

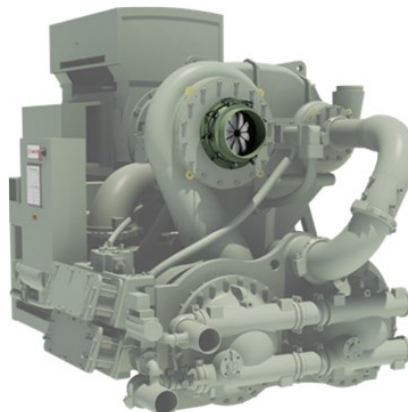
Piezas y Accesorios



Filtros de aceite centrífugos

Field Overhaul Services

Piezas de repuesto de los
compresores centrífugos
Centac



Actualización: Mejoras
aerodinámicas para los

Actualización: Álabes
orientables de entrada

Lubricante TurboBlend™ 46
de primera calidad para



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