

Fit-For-Purpose Centrifugal Gas Compressors

Rugged Reliability For Fuel Gas Boosting Applications



LF Series



LMC Series



BMC Series



◀ Sundyne fit-for-purpose Fuel Gas Booster packages. Ideal for Single or Combined Cycle Power Plants with output of 40MW to 800MW.

UPSTREAM APPLICATIONS



Onshore / Offshore (FPSO/FLNG)
Vapor Recovery
Off-gas
Regeneration
Nitrogen Stripping

MIDSTREAM APPLICATIONS



Regeneration
Overhead
Boil Off Gas

DOWNSTREAM APPLICATIONS

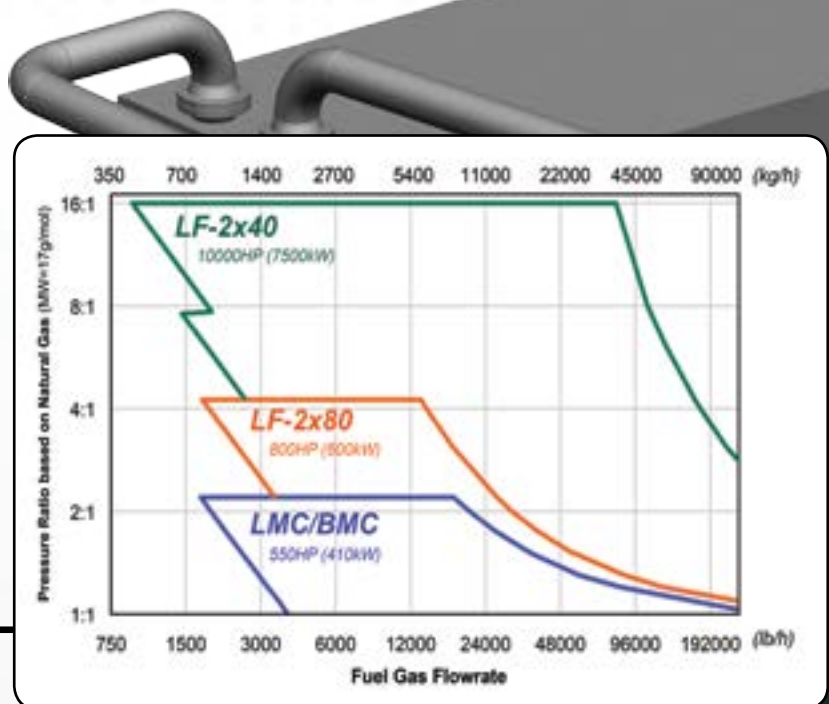


Refining: Hydrogen Recycle, Catalyst Lift Gas, Nitrogen Start-up
Petrochem: Polyethylene Recycle, Polypropylene Recycle, Fertilizers, H₂S

Fuel Gas Boosting Compressors Designed For Pure Performance

As ever-increasing demand for clean energy leads to widespread use of gas turbine power generation in industrial and commercial power plants, many such facilities now require reliable centrifugal compression to boost fuel gas from the low pressure delivered in the pipeline to the higher pressures required by the turbine.

Based on over 50 years of technological development and investment, Sundyne fit-for-purpose gas compressors handle such services with the utmost efficiency and reliability, thereby ensuring a steady supply of fuel gas at the precise pressures needed for successful turbine operation. **With a smaller footprint than competing reciprocating and screw technologies, oil-free operation and a smooth, centrifugal flow that eliminates pulsations, Sundyne compressors offer a sound solution for fuel gas boosting.**



SAFE

ZERO GAS EMISSION

Auxiliary Skid For Process Valves

- Skid-mounted compressor isolation and venting
- Fuel gas regulation
- Sundyne FGB control system guarantees:
 - 0-100% gas turbine demand capability
 - Steady Fuel gas supply pressure regulation

Sundyne Gas Compressors Deliver Four Major Advantages!

- Water & air-cooled configurations
- Meets fuel gas temperature requirement of turbine

Recycle/Discharge Gas Cooler



▲ Choose an impeller that best fits your unique Fuel Gas Boosting application requirements.

1 Reliability

Your process is only as reliable as the equipment producing it. Sundyne fit-for-purpose compressors will run for up to 3 years without the need for maintenance or overhaul, so you can have confidence in your equipment.

2 Optimized Efficiency

All Sundyne process contacting parts are made from corrosion resistant alloys and custom built to meet the unique Best Efficiency Point (BEP) of each customer's application.

3 Precision Engineering

Sundyne literally helped write the book when it comes to API standards for pumps and compressors. While many of our fuel gas compressors are built fit-for-purpose, we still manufacture each unit to meet stringent API 617 standards for compressors in their class. Fit-for-purpose, skid-mounted packages deliver significant benefits including:

- Overall cost-savings
- Streamlined installation and commissioning
- Compact footprints and lighter weights; up to 75% space savings over volumetric compressor technology
- Delivery time reduced by more than 3 months

The standard solution is already engineered to "fit" the relevant application. We design it once, and deliver it many times.

4 Complete Solution, Single Responsibility

As an OEM, we provide a fully integrated system:

- Compressor train
- Process equipment
- Control and regulation
- Auxiliaries

Customers benefit from years of Sundyne experience and expertise – direct (*third party packagers are not required, that means no inefficiencies, no surprises*).

- Tandem dry gas seals
- No gas emissions
- Safe operation

Dry Gas Seal Panel

Electric Motor

- Small footprint
- Oil replacement every 3 years
- Water & air-cooled configurations

Lube Oil System Integral To Baseplate

Integrally Geared Compressor

- Centrifugal high-speed compression:
- Oil-free: no oil recovery system
 - Pulsation free: low vibration
 - Compact design
 - Ease of maintenance

OPTIONS INCLUDE:

- Fuel Gas filtration & separation
- By-pass system
- Complete noise enclosure
- Redundant Nitrogen generators
- Motor control centers



Backed By Global Support

Sundyne is more than just a manufacturer of high quality compressors and pumps...much more. Not only do we offer some of the fastest delivery times in the industry, we also back each and every product shipped with a full range of aftermarket support services, extending the value of our highly engineered machines well beyond the point of sale.

And with our training services, worldwide presence and compact designs, installation and maintenance has never been more efficient.

The Sundyne service team is here to help protect your investment and provide a trouble-free customer experience at every turn. That's *RELIABILITY REALIZED*.

Our Aftermarket Programs Include:

- Expedite Programs
- Maintenance Kits
- Conversion Programs
- Gearbox Exchanges
- Service Schools
- On-Site Service
- Overhaul and Repair Services



Sundyne: An OSHA VPP Star Site

At Sundyne, Environmental Health and Safety (EH&S) is integral to our culture of excellence, and providing a 100% safe work environment through the manufacturing and installation phases of a project is a core priority.

To learn more about our extended service offerings and specific application references, visit www.sundyne.com or contact us toll free at 1-866-SUNDYNE.



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