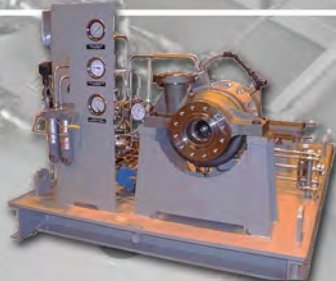
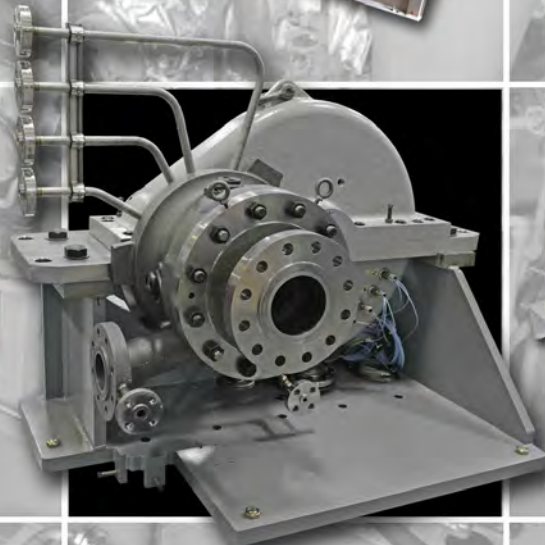
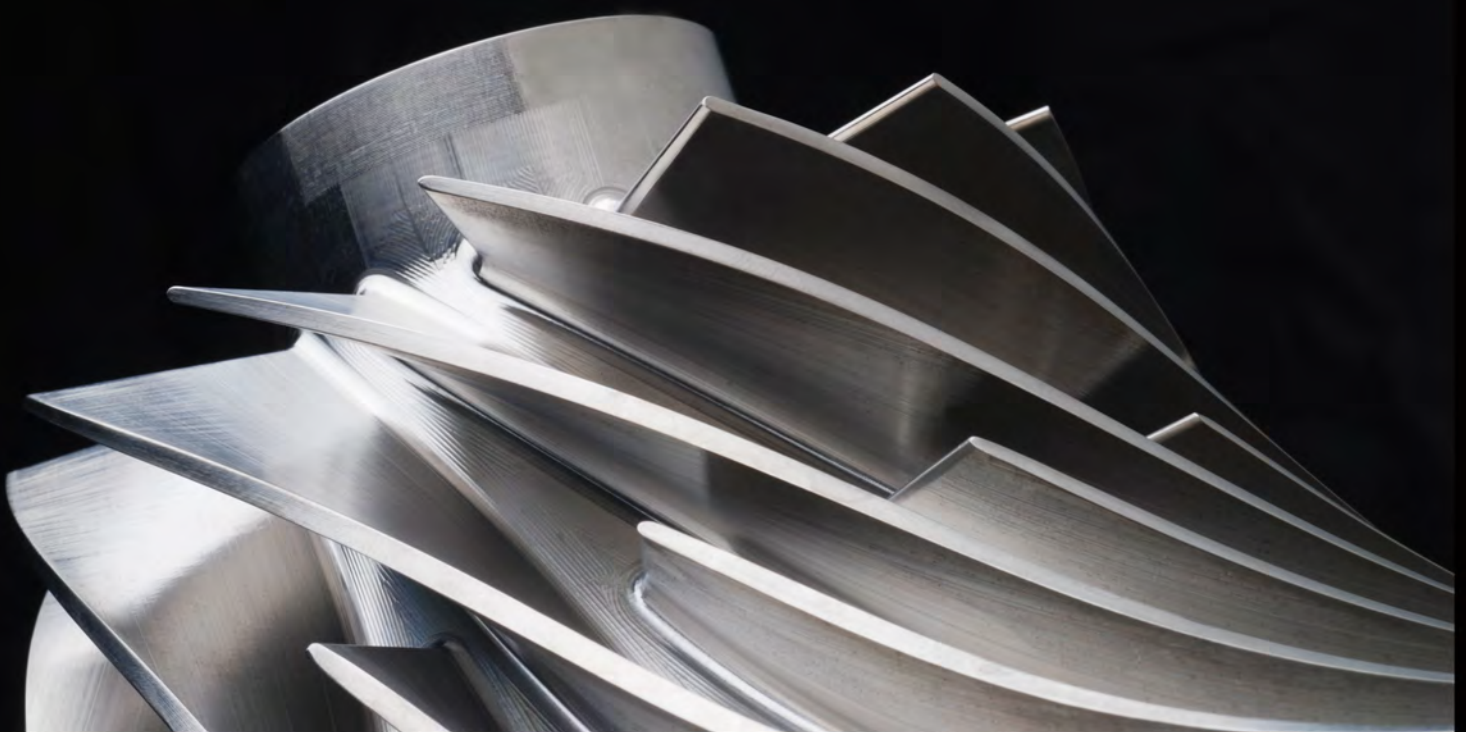


# Centrifugal Process Gas Compressors: Engineered For Excellence

LMC  
BMC  
BMC (Type A)  
LF-2X80  
LF-2000



**Industry standard  
integrally geared  
centrifugal gas  
compression  
solutions for  
your industrial  
application.**





# Built Beyond Reliable.

Based on over 50 years of technological development and investment, the latest generation of Sundyne integrally geared compressors delivers on the promise of rugged reliability, uncompromising performance and high efficiency that our customers have come to expect from our products.

Custom built to meet the unique Best Efficiency Point (BEP) of each customer's application, Sundyne gas compressors are engineered to provide pulsation- and vibration-free operation, delivering oil-free process gas with zero emissions.

Each shipped unit is engineered in accordance with stringent API 617 and 614 standards, meaning that our machines run for up to 5 years continuously without the need for costly maintenance or overhauls. Plus, Sundyne compressors are fully NACE compliant, giving our customers full confidence that their machine will not rust or corrode, delivering rock solid performance day in and day out.

The choice is clear. Since developing our first gas compressor in 1965, we've expanded upon that initial blueprint to present the performance envelope, feature set and reliability ratings that are available to our customers today.

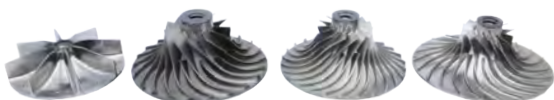


◀ Sundyne designed and built the first LMC for Union Carbide in 1965. Today, we have a global install base of thousands; handling demanding applications in some of the world's most challenging environments.



## Sundyne Compressors: Excellence By Design

All 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; like our popular LNG impeller options.



Sundyne is dedicated to providing our customers with world class integrally geared compressor technology that meets their unique specifications and process requirements. With a global install base numbering well into the thousands, Sundyne compressor technology is currently in use across a nearly comprehensive listing of applications, operating in some of the toughest climates Earth has to offer.



# Reliable Contamination-free Compression.

The Sundyne compressor family features single- and multi-stage centrifugal designs for use in API 617 and general industrial applications, incorporating special materials and construction components as required. Computer optimized to fit your exact design requirements, our aerodynamic designs allow for continuous duty at the specified flow and at low flows, while our impeller designs eliminate efficiency degradation and the need for frequent adjustments.

Plus, our streamlined configurations and compact footprints allow for ease of installation, commissioning or maintenance when the time comes.

By leveraging our decades' worth of expertise with gas compression technologies, we are ready to exceed your requirements for performance and outstanding efficiency.



## Markets + Applications



### OIL & GAS PRODUCTION & PROCESSING

FLASH GAS  
GAS GATHERING

### NATURAL GAS PROCESSING

MOLE SIEVE REGENERATION  
OFF GAS COMPRESSOR  
NATURAL GAS BOOST  
NITROGEN CIRCULATION  
DEMETHANIZER

### PETROCHEMICAL

RECYCLE GAS (PP, PE, H<sub>2</sub>)  
REACTOR FEED & REGENERATION  
RECIRCULATION GAS  
ETHYLENE FEED & RECYCLE

### CHEMICAL PROCESSING

CHLORINE  
AMMONIA  
HYDROGEN RECYCLE  
WASTE GAS  
REFRIGERATION  
PURGE GAS  
FLUE GAS  
CO<sub>2</sub> / CO  
NITROGEN  
VINYL FLUORIDE

### POWER GENERATION & IGCC

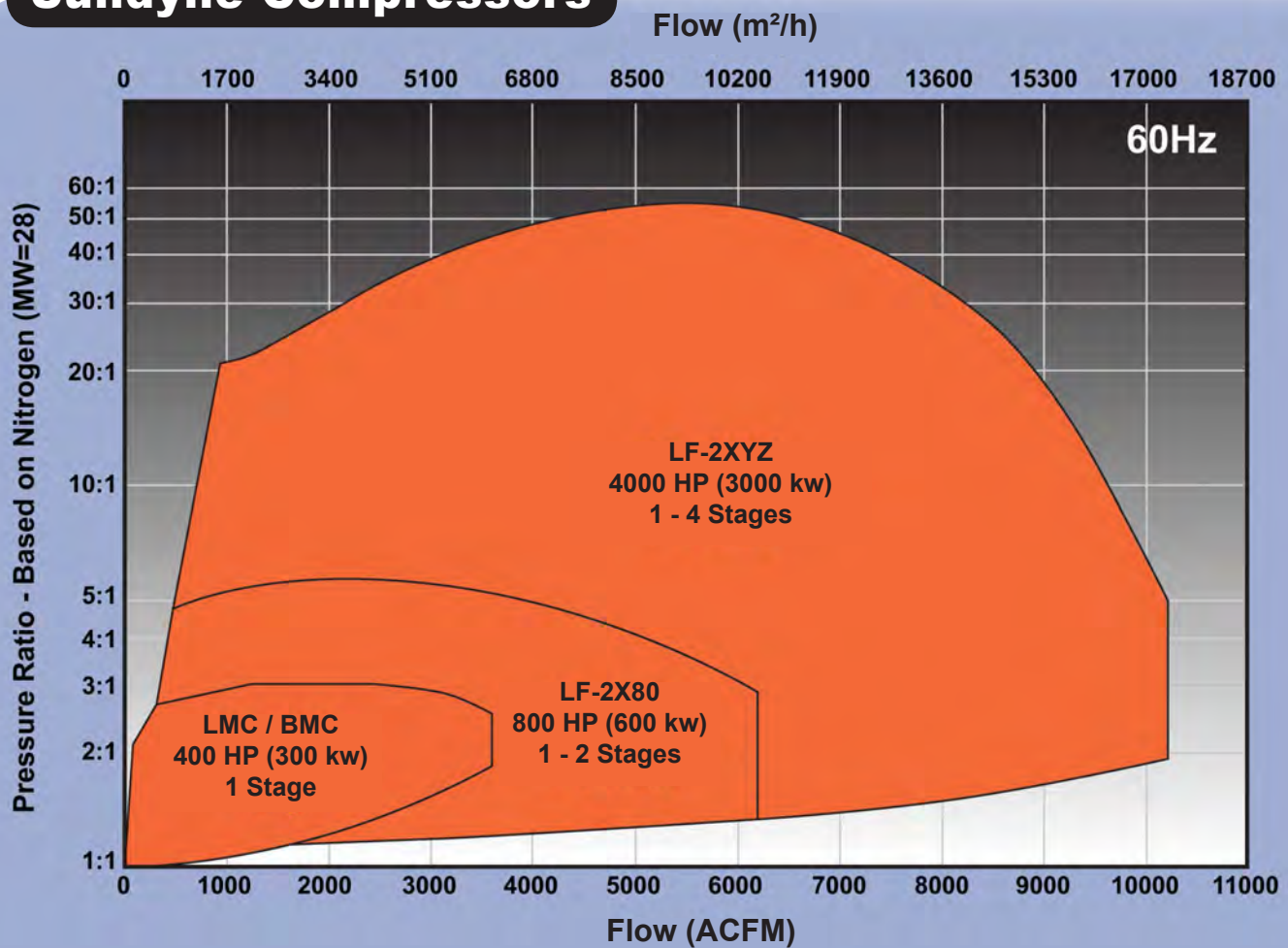
FUEL GAS BOOST  
CARBON CAPTURE RECYCLE COMPRESSION  
SYNGAS RECYCLE & FLASH GAS

### HYDROCARBON PROCESSING

HYDROGEN RECYCLE  
LIFT GAS  
H<sub>2</sub>S WET GAS  
STRIPPER OVERHEAD  
GAS BOOST  
HC BOOST / OVERHEAD  
BUTANE  
CLEAN FUELS  
DESULFURIZATION  
NITROGEN STARTUP

**Sundyne Compressor Performance Defined:**

API 617 and 614 standard compressors run reliably for 5 years.

**Sundyne Compressors**

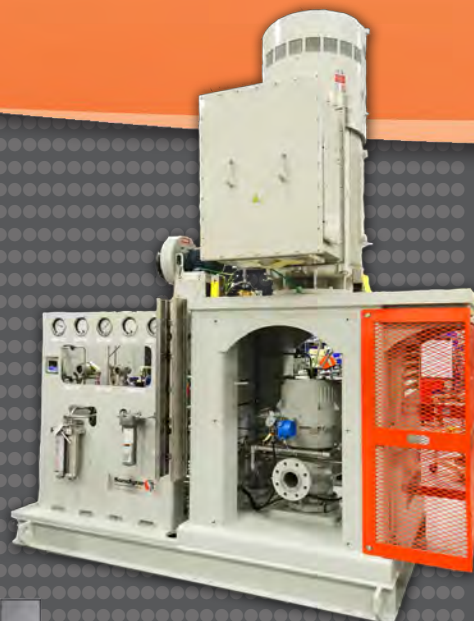
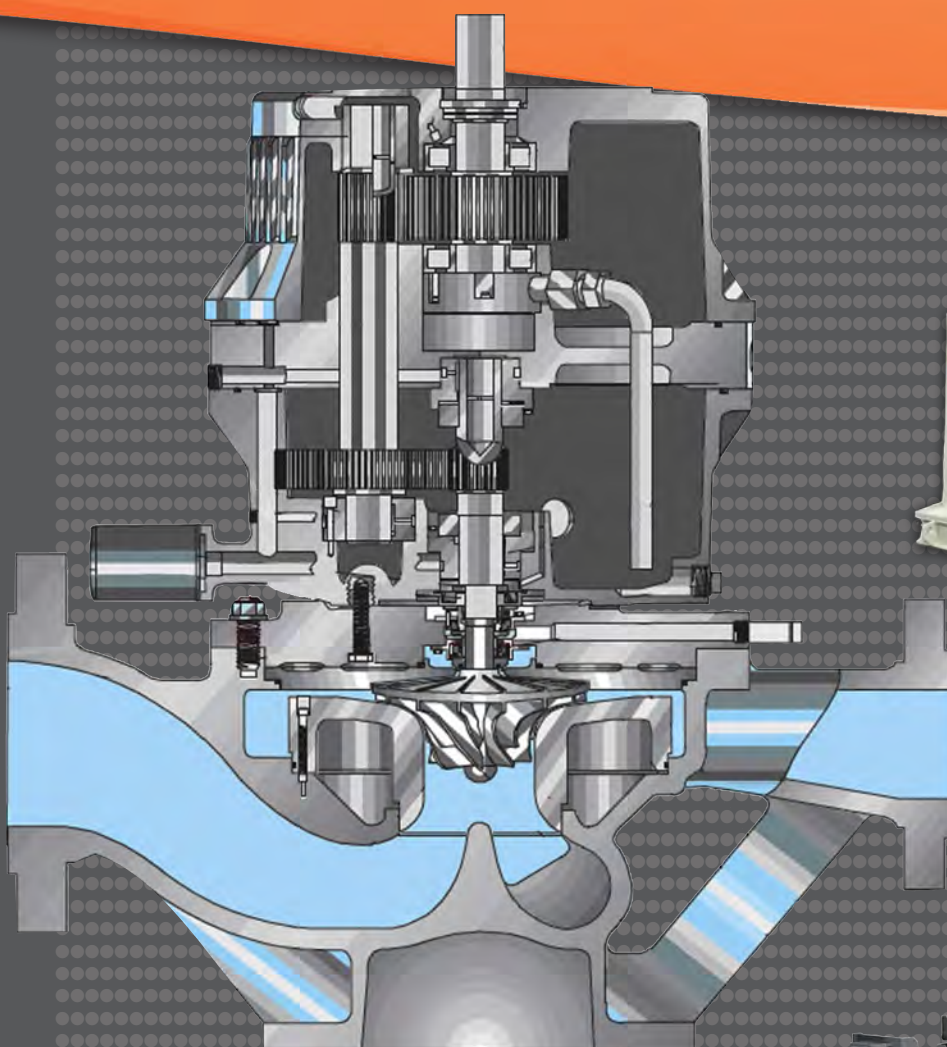


*Rugged Design*

*Trouble-Free Operation*

*Cost Effective*

*Aftermarket Support*



# LMC

## **The Sundyne LMC Compressor Series:**

**Delivering Low Flows & High Heads  
In A Single-Stage Configuration**

► Flue Gas  
Desulphurisation  
(FGD) equipment  
removes 90% of SO<sub>2</sub>  
from emissions.



LMC compressors set the industry standard for high-head, low-flow technology. With a space saving vertical design, independent gas end and proprietary gearbox, the LMC line is available in two unique skid packages for ease of installation in various process environments. With over one million possible configurations, Sundyne delivers reliable efficiency, as well as maximized uptime and reduced life cycle costs.

# Heavy-duty gas processing.



Sundyne BMC compressor delivered for installation on floating production platform, built by one of the largest ship construction companies in the world.

## BMC

Models Include:

BMC-313

BMC-317

BMC-333

BMC-343

BMC-337

BMC-347

BMC-341P & -341F

### The Sundyne BMC Compressor Series:

Sundyne single-stage centrifugal compressors provide an ideal solution for heavy-duty gas processing applications.



These non-API machines are designed to meet the same API 617 guidelines as Sundyne BMCA and LF series models, while typically delivering the same performance as multi-stage, piston-driven positive displacement compressors. However, due to their smaller size, ease of maintenance and overall efficiency, our BMC machines hold a competitive edge.



Ask us about our new testing and data acquisition protocol for BMCs; API 617 / PTC 10 compliant.



### The Sundyne BMCA Series: BMC Performance In An API-Compliant Design

Fully compliant and certified to meet API 617 Chapter 3 industrial standards, the BMCA-34X is an integrally geared centrifugal compressor that is ideal for heavy-duty service in gas processing applications.

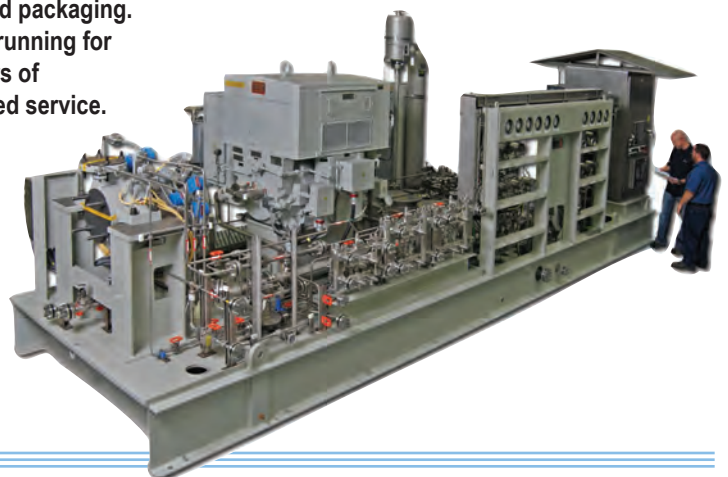
Ask us about the Sundyne BMC purged gearbox seal. It is a non-face-contacting design, offering a 5-year life capability.

# BMCA-34X



Sundyne BMCs are well suited for FPSOs (floating production vessels)

Ideal for skid packaging.  
Capable of running for  
up to 5 years of  
uninterrupted service.





**Our rugged  
flagship.**

# **Flexibility In A Robust, API Compliant Package.**

## **LF-2000**

The flagship of our line of integrally geared compressors, the LF-2000 is fully compliant with API 617 and 614 standards, allowing it to run continuously for 7 years at a stretch, delivering oil-free process gas with no emissions. With a unique modular baseplate and compact footprint, the LF-2000 is easy to package onto a skid and install into virtually any process environment. Additionally, its innovative design allows for ease of maintenance and maximum

flexibility, including the operation of up to four stages from a single gearbox. Available in single-, double- and multi-stage configurations, each shipped unit is custom engineered from state of the art components to meet the Best Efficiency Point (BEP) of your application, allowing for precise pulsation- and vibration-free operation.

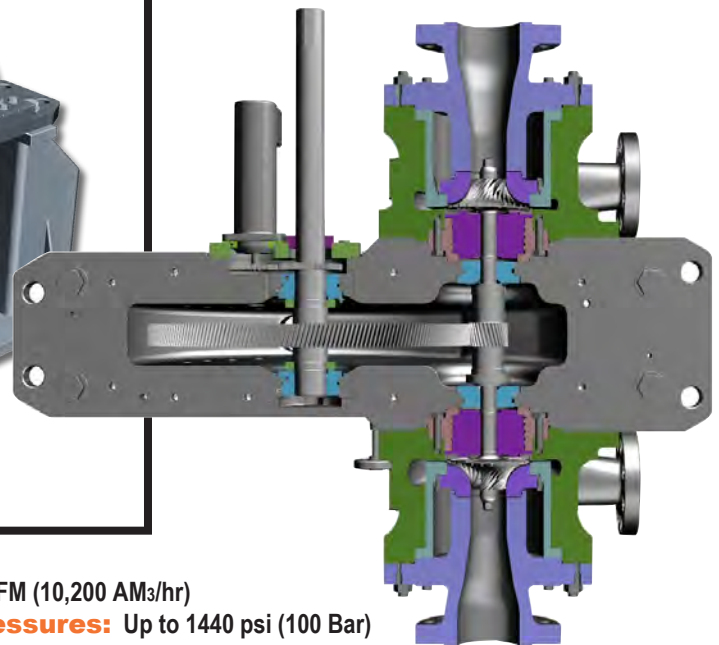
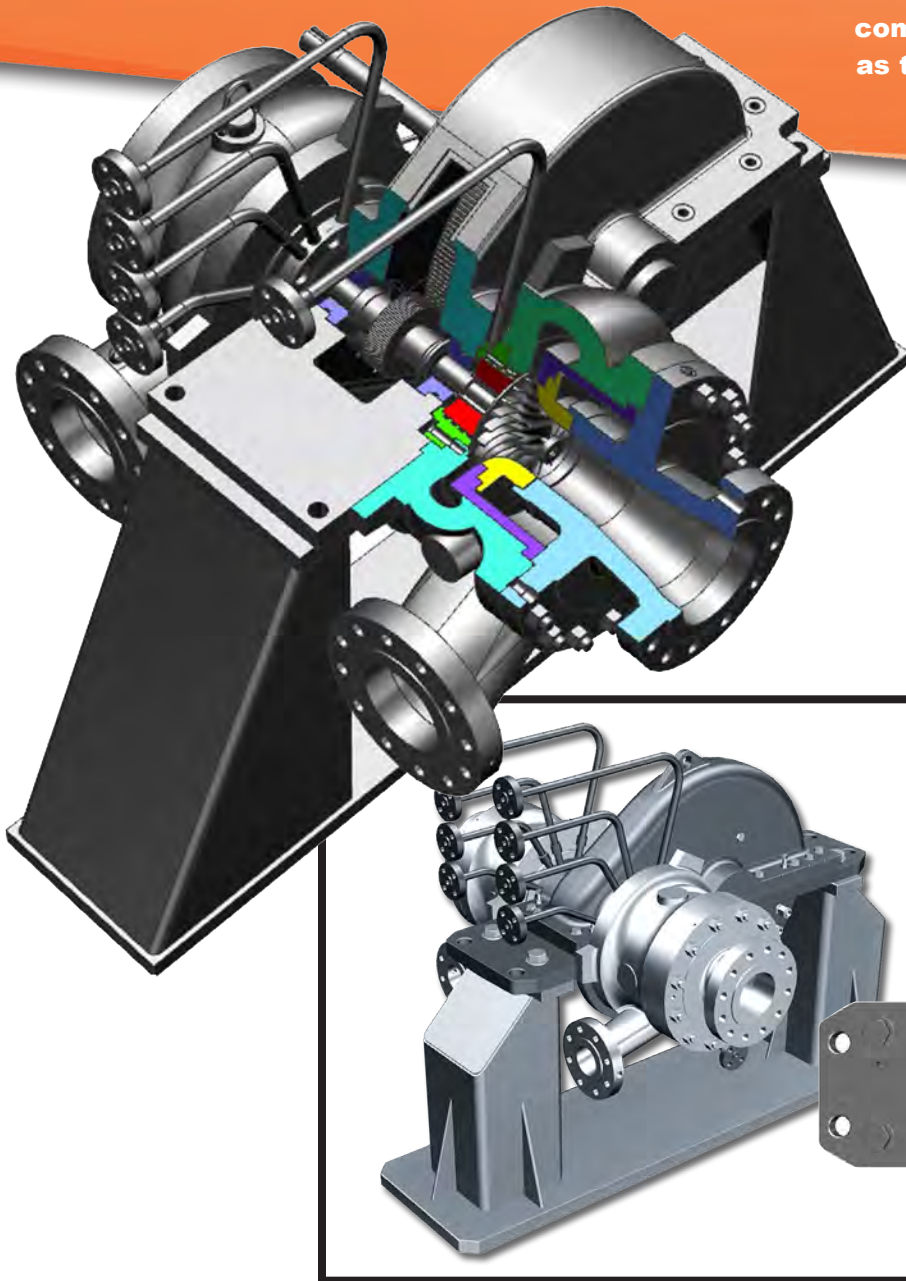




Sundyne multi-stage centrifugal compressors deliver the same performance as traditional piston designs, while offering superior reliability and performance.

### The Sundyne LF-2X80 API Performance At The Right Size & Right Price

For maximum performance and flexibility without the need for API certification, the LF-2X80 series has you covered. Built in accordance with the same API guidelines as the LF-2000 series, the LF-2X80 delivers the same specs and feature set at a cost savings.



# LF-2X80

**Flows to:** 6000 ACFM (10,200 AM<sup>3</sup>/hr)  
**Max working pressures:** Up to 1440 psi (100 Bar)

The Sundyne LF-2X80 integrally geared multi-stage centrifugal compressor leverages our acclaimed LF-2000 technology and decades of expertise to extend the operational range of the LMC / BMC product line, thus enabling greater flow, head and horsepower capabilities. Immensely flexible, the LF-2X80 is available in both one- and two-stage configurations and can be easily packaged onto a skid for optimized footprint and ease of installation.

Additionally, the LFC-2X80 can run continuously for 5 years – due to its compliance with strict API 617 / 614 standards – delivering oil-free process gas with no emissions day in and day out. With the full backing of our global network of Sundyne Authorized Service Centers, the LFC-2X80 is a full gas compression solution for use in refining, petrochemical, LNG, power and mining applications.

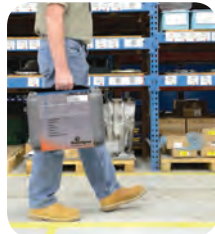
### Backed By Global Support

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 via our new FastLane program, 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.

The Sundyne service team is here to help you protect your investment and provide a trouble-free customer experience.

### Our Aftermarket Programs Include:

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



Plus, our new Reliability Assurance Kits deliver trouble-free maintenance at regular intervals. To learn more about this convenient new service program, visit [www.sundyne.com](http://www.sundyne.com).

### 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.



#### COMPRESSORS

#### PUMPS

#### GENUINE PARTS

#### SERVICE



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