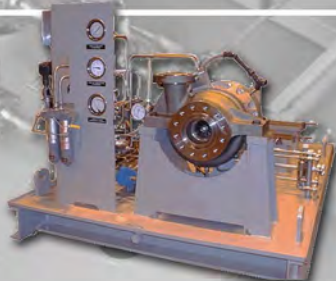
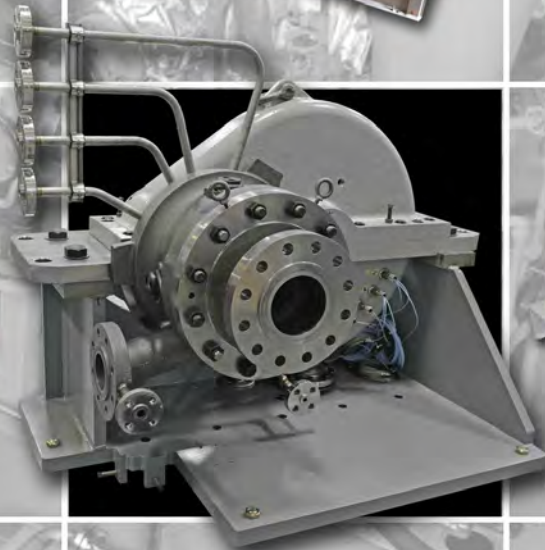
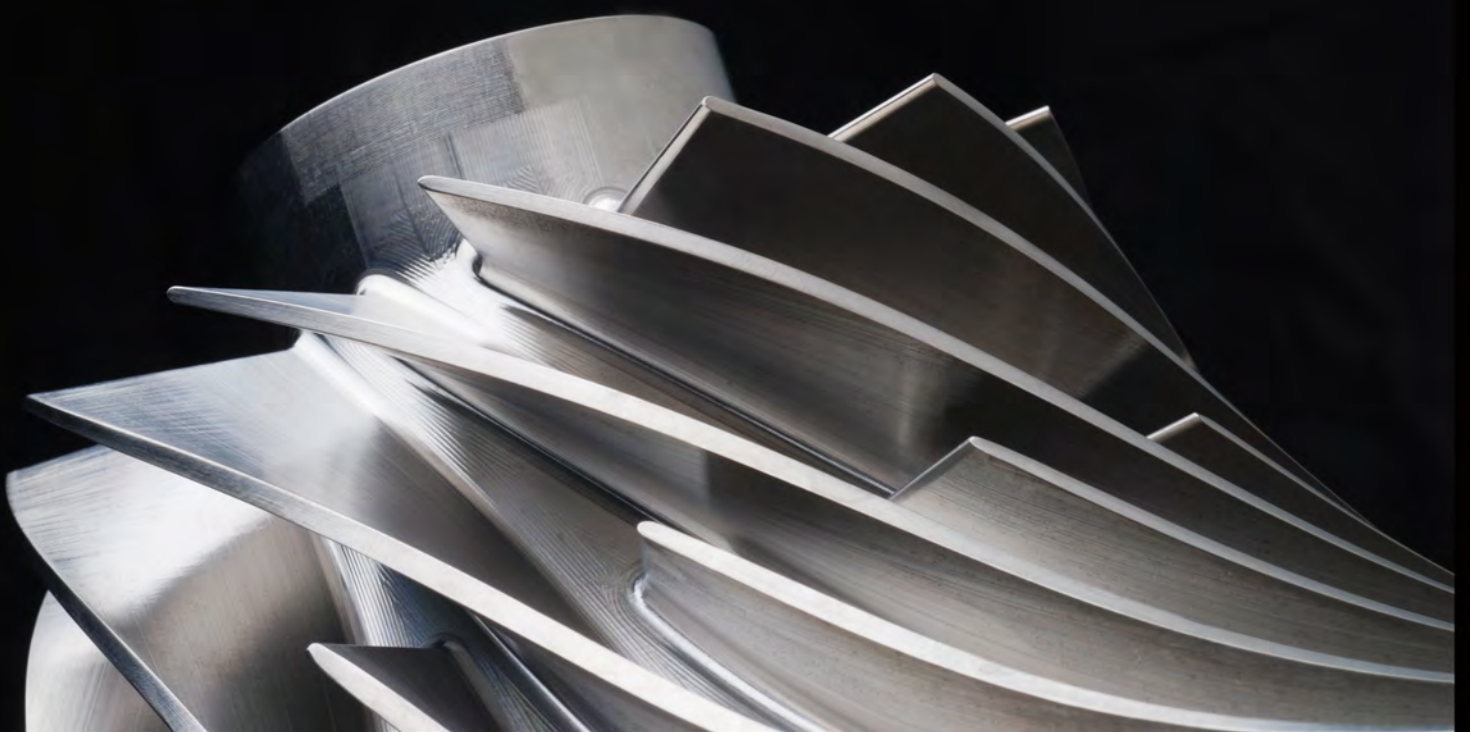


**Centrifugal Process
Gas Compressors:
Engineered For Excellence**

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, H₂)
REACTOR FEED & REGENERATION
RECIRCULATION GAS
ETHYLENE FEED & RECYCLE

CHEMICAL PROCESSING

CHLORINE
AMMONIA
HYDROGEN RECYCLE
WASTE GAS
REFRIGERATION
PURGE GAS
FLUE GAS
CO₂ / CO
NITROGEN
VINYL FLUORIDE

POWER GENERATION & IGCC

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

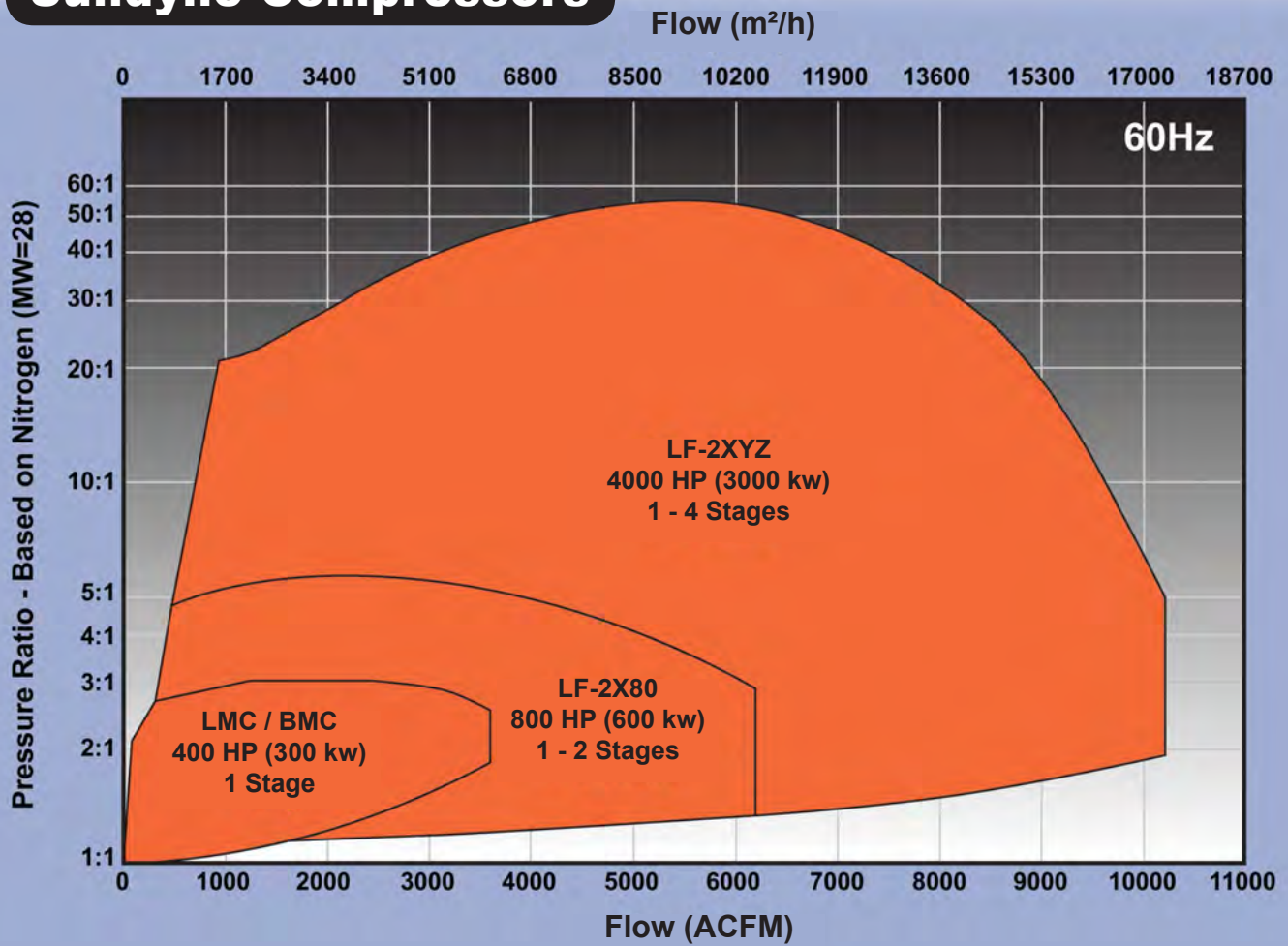
HYDROCARBON PROCESSING

HYDROGEN RECYCLE
LIFT GAS
H₂S 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

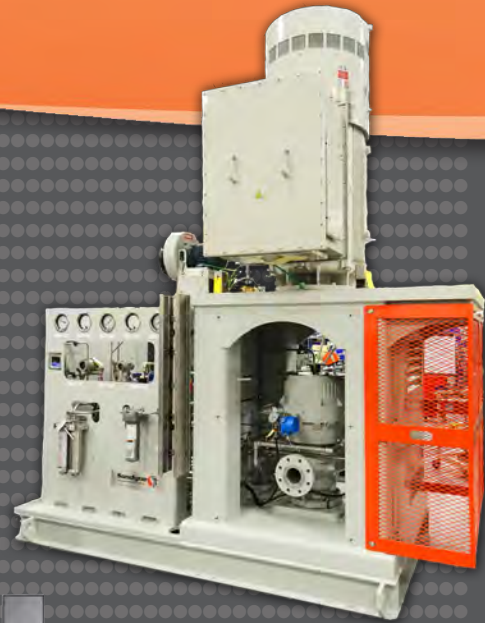
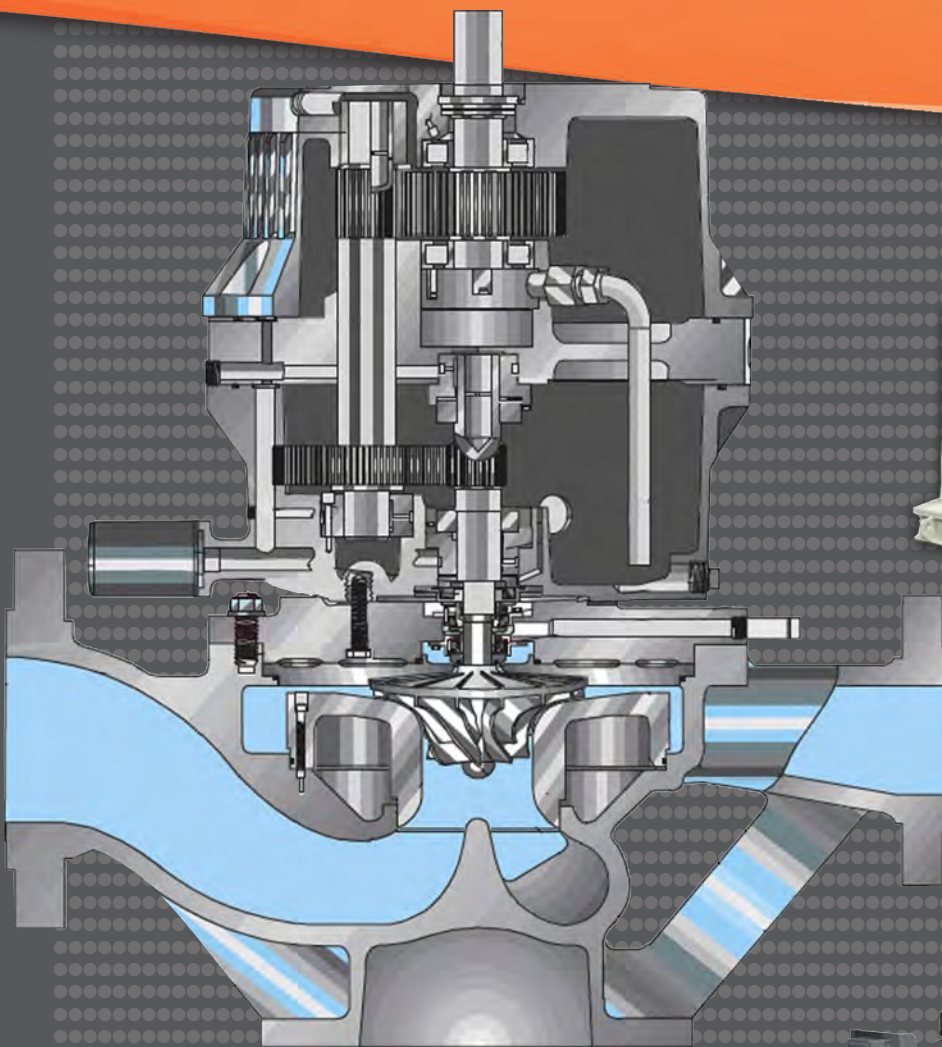


Rugged Design

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 SO₂ 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

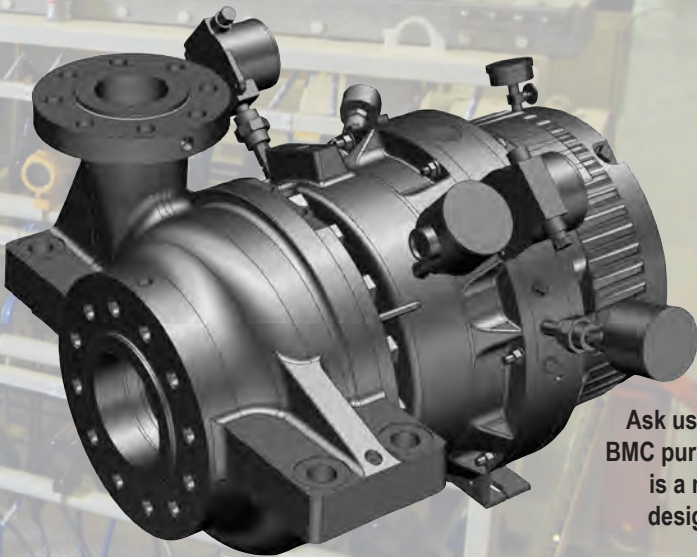
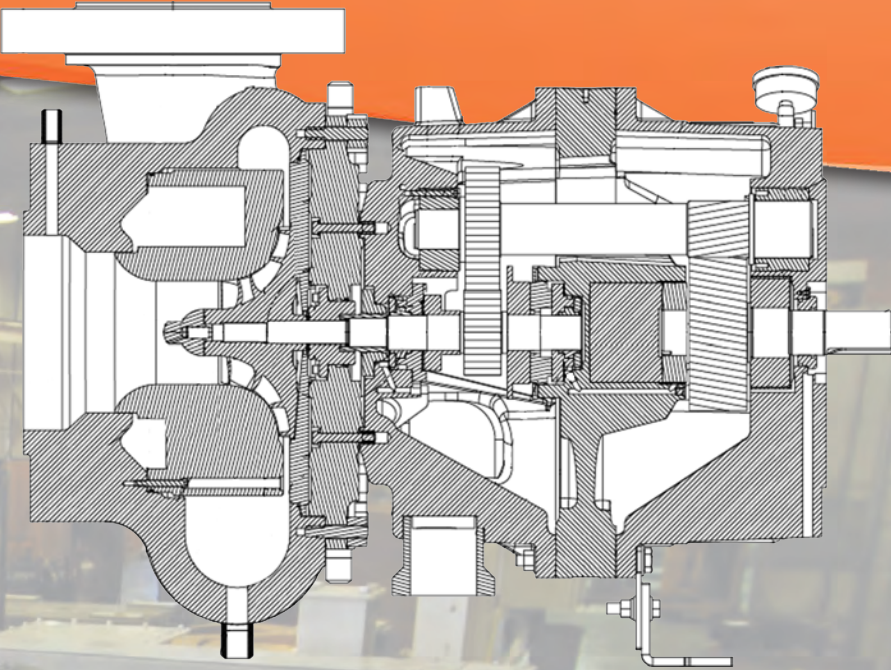
The Sundyne BMC Compressor Series:

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



BMC Compressors are designed to meet the same API 617 guide-lines 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.



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

BMCA-34X

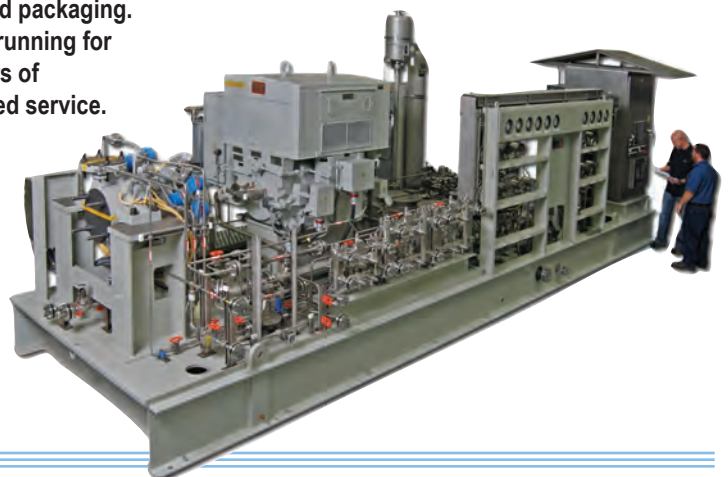
The Sundyne BMCA Series: BMC Performance In An API-Compliant Design

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.

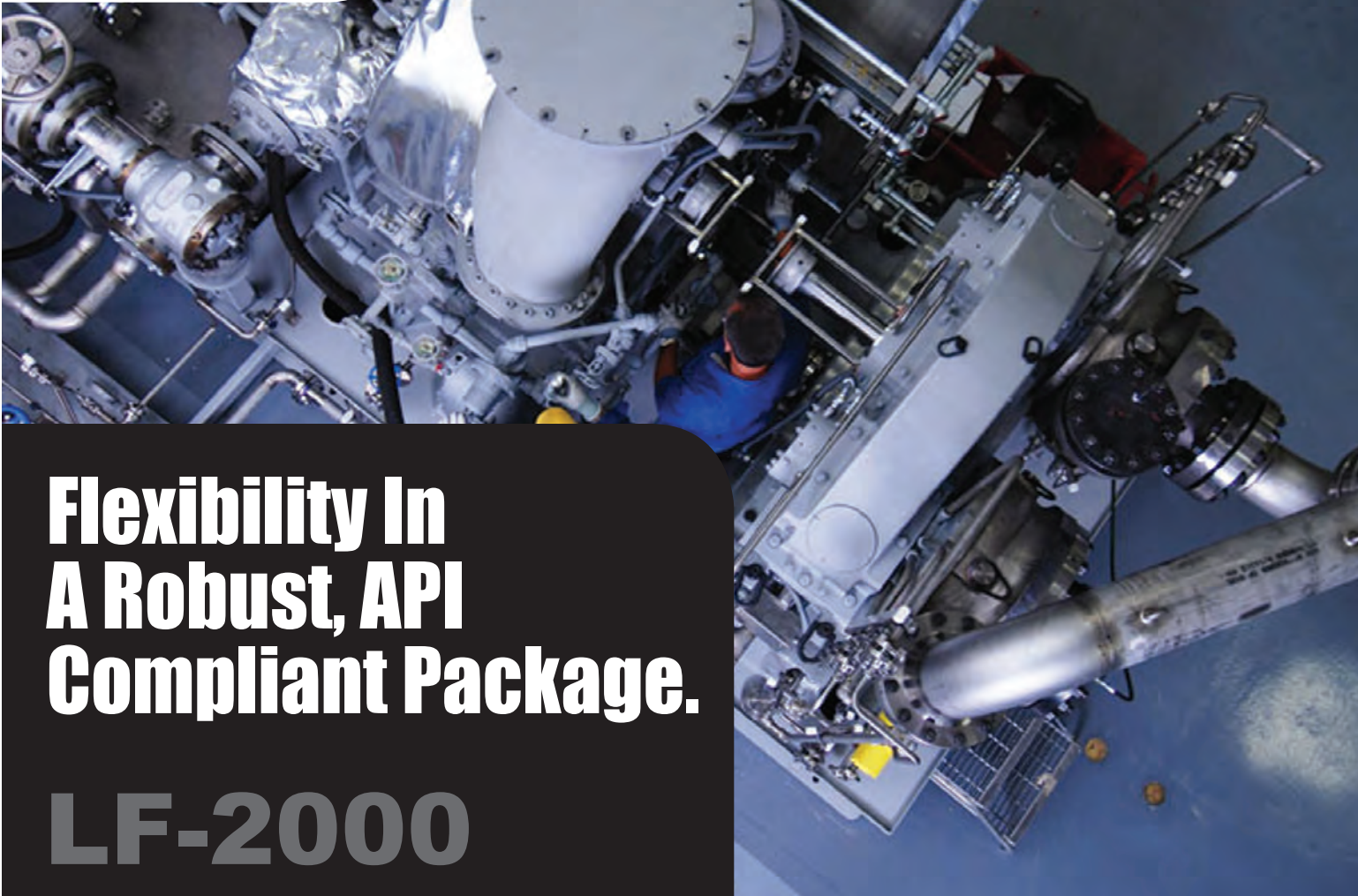


Sundyne BMCs are well suited for FPSOs (floating production vessels)

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

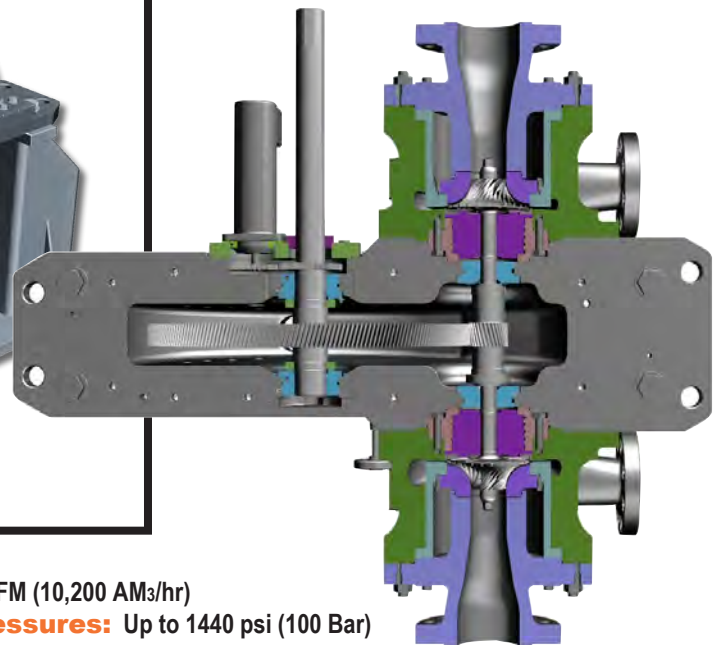
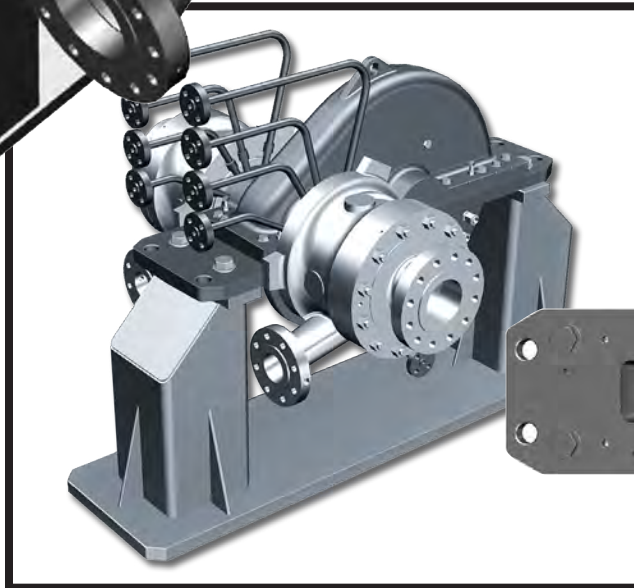
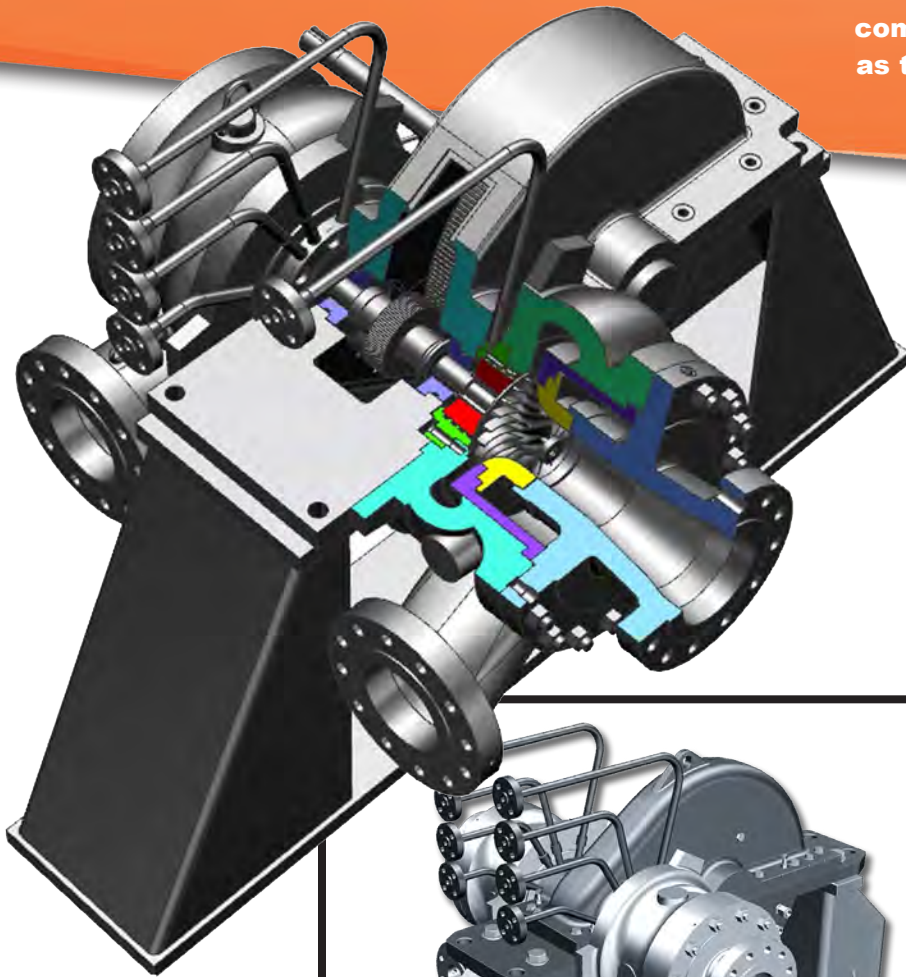
The flagship of our line of integrally geared compressors, the LF-2000 is fully compliant with API 617 and 614 standards, allowing it to run continuously for 7 years at a stretch, delivering oil-free process gas with no emissions. With a unique modular baseplate and compact footprint, the LF-2000 is 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 AM³/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.

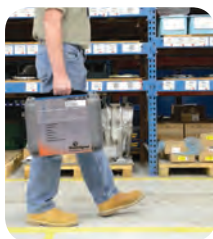
Backed By Global Support

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.

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



**RELIABILITY
REALIZED.**



Sundyne Headquarters:
Sundyne, LLC
14845 West 64th Avenue
Arvada, Colorado 80007
USA
1-866-Sundyne
Phone: 1 303 425 0800
Fax: 1 303 425 0896
www.sundyne.com

Sundyne Pennsylvania:
Sundyne PPI
201 Ivyland Rd.
Ivyland, Pennsylvania 18974
USA
Phone: 1 215 675 1600

Sundyne United Kingdom:
Sundyne HMD/Kontro Sealless Pumps, Ltd.
Marshall Road
Hampden Park Industrial Estate
Eastbourne East Sussex, BN22 9AN
United Kingdom
Phone: +44 1323 452000
Fax: +44 1323 503369

Sundyne Spain:
Sundyne Marelli Bombas, S.R.L.
Ctra. Madrid-Toledo, Km.30.8
45200 Illescas
Toledo, Spain
Phone: +34 925 53 45 00
Fax: +34 925 51 16 00

Sundyne France:
Sundyne International S.A.
13-15, Bld. Eiffel - B.P. 30
21604 Longvic Cedex
France
Phone: +33 (0)3 80 38 33 00
Fax: +33 (0)3 80 38 33 66

All information provided is subject to change without notice.

© 2024 Sundyne, LLC
All Rights Reserved. Other logos and trade names are property of their respective owners.

Sundyne Compressor Brochure_032624: US (v.2) POD



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

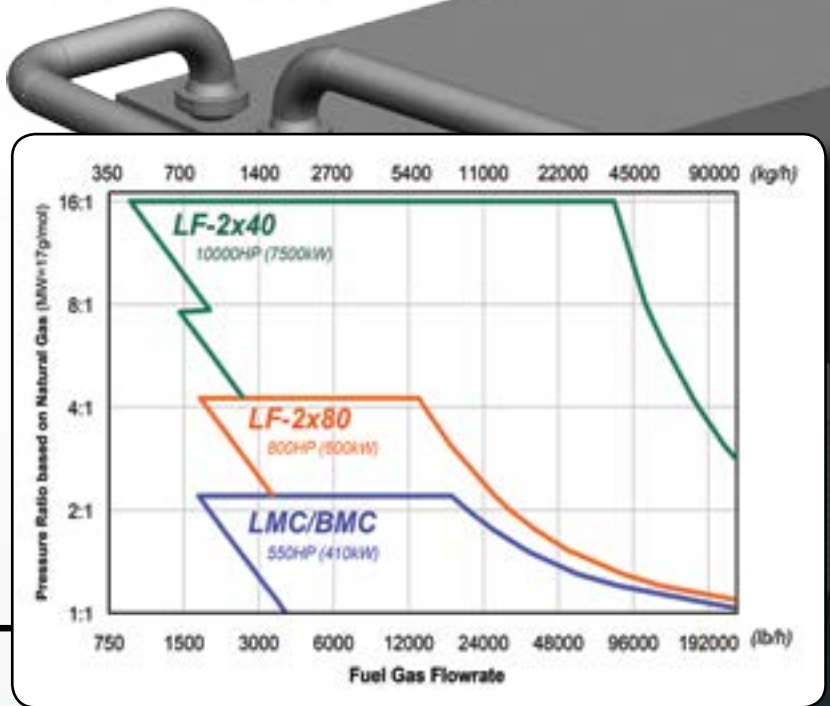


Refining: Hydrogen Recycle, Catalyst Lift Gas, Nitrogen Start-up
Petrochem: Polyethylene Recycle, Polypropylene Recycle, Fertilizers, H₂S

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.**

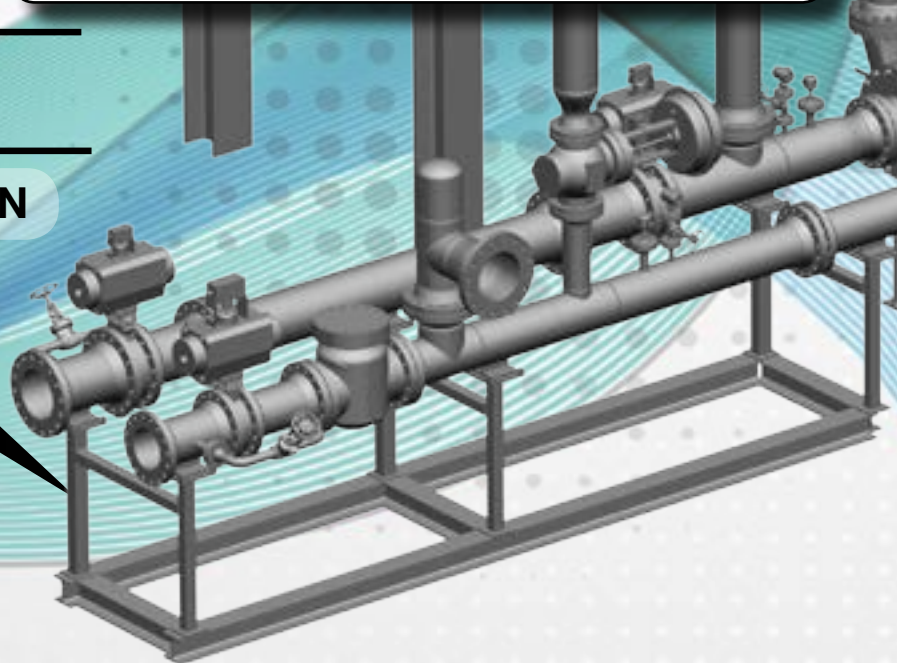


SAFE

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

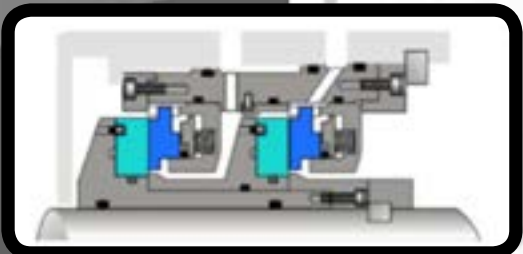
The standard solution is already engineered to "fit" the relevant application. We design it once, and deliver it many times.

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*).



Electric Motor

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

Dry Gas Seal Panel

- 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.



Sundyne, LLC
 14845 West 64th Avenue
 Arvada, Colorado 80007
 USA
 1-866-Sundyne
 Phone: 1 303 425 0800
 Fax: 1 303 425 0896
www.sundyne.com

COMPRESSORS

PUMPS

GENUINE PARTS

SERVICE

Sundyne PPI
 201 Ivyland Rd.
 Ivyland, Pennsylvania 18974
 USA
 Phone: 1 215 675 1600

Sundyne HMD/Kontro Sealless Pumps, Ltd.
 Marshall Road
 Hampden Park Industrial Estate
 Eastbourne East Sussex, BN22 9AN
 United Kingdom
 Phone: +44 1323 452000
 Fax: +44 1323 503369

Sundyne Marelli Bombas, S.R.L.
 Ctra. Madrid-Toledo, Km.30.8
 45200 Illescas
 Toledo, Spain
 Phone: +34 925 53 45 00
 Fax: +34 925 51 16 00

Sundyne China
 Building 1, No. 879 Shen Fu Road
 XinZhuang Industrial Zone
 Min Hang District
 Shanghai, China 201108
 Phone: +86 21 50555005
 Fax: +86 21 54425265

Sundyne International S.A.
 13-15, Bld. Eiffel - B.P. 30
 21604 Longvic Cedex
 France
 Phone: +33 (0)3 80 38 33 00
 Fax: +33 (0)3 80 38 33 66



All information provided is subject to change without notice.

© 2024 Sundyne, LLC
All Rights Reserved. Other logos and trade names are property of their respective owners.

Sundyne FFP-Fuel Gas Boost
Brochure_032624: US (v.2) POD