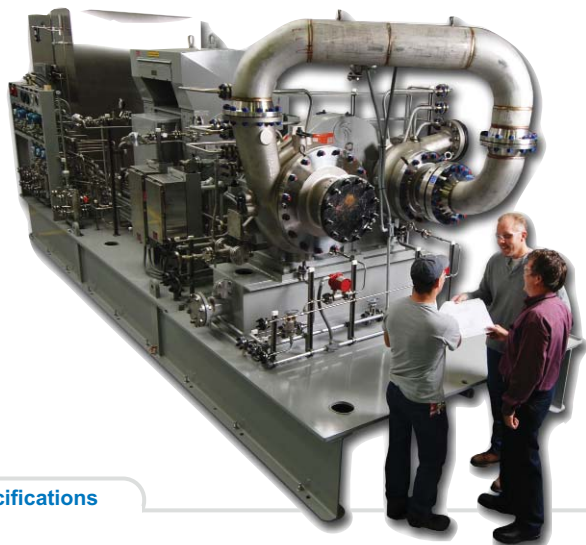


API 617, Multi-stage Centrifugal Integrally Geared Compressor



Pinnacle LF 2000



The **Pinnacle LF-2000** is a one-to four-stage centrifugal, integrally geared API-617 compressor.

- Flows to 10,000 ACFM (17,000 AM³/hr)
- Max working pressure 4,000 psia (350 bar)

All Sundyne compressors are for heavy-duty service in gas processing applications like mining, refining, petro-chemical, power and polysilicon.

A P P L I C A T I O N S

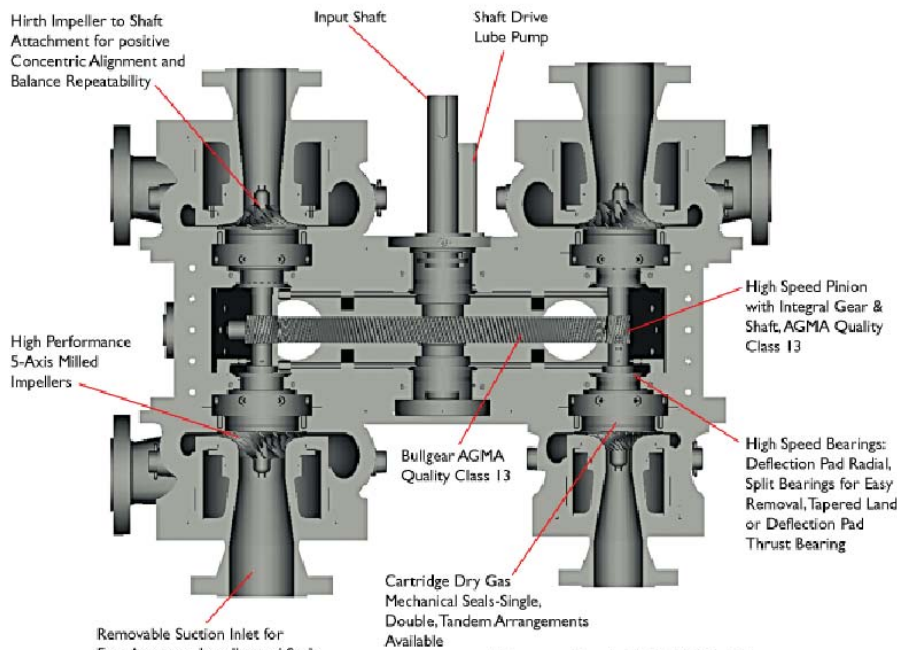
- Natural Gas Extraction
- Ethylene
- Hydrocarbon Processing
- Flue Gas Desulphurization
- Gasification

Specifications

Maximum Flow	10,000 acfm	17,000 am ³ /hr
Maximum Speed	50,000 rpm-60Hz	42,000 rpm-50Hz
Maximum Working Pressure	4,000 psia	350 bar
Temperature Range	-200 to 500°F	-130 to 260°C
Maximum Motor Size	4,000 hp	2,983 kW
Hydro Test Pressure	1.5 Times Maximum Working Pressure	
Min Casing Thickness	1 in	25.4 mm
Corrosion Allowance	0.125 in	3.18 mm
Impeller Clearance	0.03 to 0.05in	.76 to 1.27mm
Shaft Diameter at Bearings	1.5in(38.1mm),	2.0in(50.8mm)
Mechanical Seal Sizes - Outboard	2.3 in	58.4 mm
Mechanical Seal Sizes - Inboard	2.3 in	58.4 mm
Mounting	Horizontal	
Flanges	150,300,600# ANSI RF standard, other ratings available	
Suction Flange	3 - 14 inches	
Discharge Flange	2 - 12 inches	
Gearbox Oil Temp Range - Normal	120 to 180°F	49 to 82°C
Minimum Gearbox Starting Temp	32°F (0°C) with light turbine oil - lower with approved synthetic oil	
Gearbox Lubricant	ISO VG-32 General Purpose Oil	
Gearbox Sump Capacity	Per API 614	
Gearbox Lube System	Pressurized	
Gears	Hardened and precision ground, helical	
Input and Idler Bearings	Journal	
Output Bearings	Deflection Pad	
Coupling	Spacer Type	
Materials of Construction	Castings (carbon steel, stainless steel); Impeller (17- 4PHSS, Titanium)	

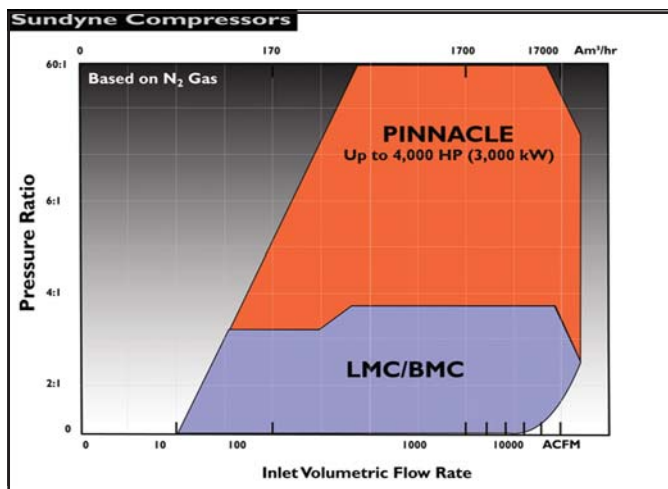
OTHER SUNDYNE COMPRESSOR PRODUCTS INCLUDE:

- Sundyne Single-Stage Compressors
- Line Mounted Compressor (LMC-3XX) Series
- Base Mounted Compressor (BMC-3XX) Series
- Pinnacle Multi-Stage Compressors



Pinnacle LF-2000 Compressor

PERFORMANCE



Sundyne Corporation is one of the original developers of the API centrifugal compressor. Built to API-617/614 compliance, our flagship Pinnacle compressor delivers oil and pulsation free flow in an economical footprint. In fact, the Pinnacle's multi-stage design is so efficient that it provides the same performance as larger multi-stage, piston-driven positive displacement compressors.



APPLICATIONS (cont.)

- Power Generation
- Gas Production
- Chemical Transfer
- Regeneration
- Gas Boost
- General Processing Industry
- Hydrogen
- Corrosive Gases
- Acetylene
- OEM
- Petroleum Production & Refining
- Atomizing Air
- Vapor Recovery
- Natural Gas
- Chemical Processing
- Pipeline Booster
- Recycle
- Acetic Acid
- Polypropylene
- Chlorine

Visit our website at: www.sundyne.com

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