



## IGVs Are Now Available on Sundyne LF 2000 Multi-Stage Compressors

Energy costs make up > 70% of a compressor's total costs over its lifespan. IGVs can reduce these costs by 15% or more.

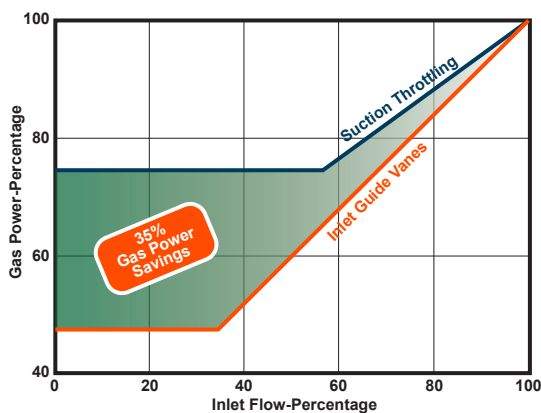


Sundyne LF 2000 multi-stage compressors are custom-built to meet exacting API-617 / ISO 10439 standards, and to deliver oil-free process gas with zero emissions. Commonly referred to as a "Pinnacle," the LF 2000 features one-to-six stages of centrifugal compression on a single gearbox, and they are widely deployed in midstream, hydrocarbon processing and chemical manufacturing applications.



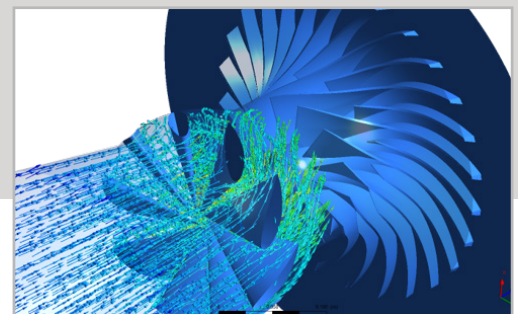
The latest LF 2000 compressors are significantly more efficient than their predecessors. One of the many ways they reduce energy costs is via the addition of Inlet Guide Vanes (IGVs). IGVs "pre-swirl" gas flow entering the impeller, which increases turndown while reducing the amount of work needed from the main driver.

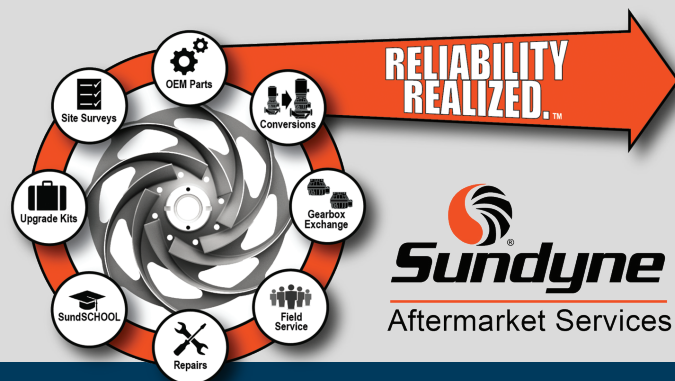
IGVs are especially helpful when process conditions change. When plants operate at lower capacities, the reduced throughput alters the velocity vectors of the gas passing through the impeller. The same is true when a lower P is required. The IGV optimizes the compressor work and reduces power consumption versus a throttling or bypass method.



- Today, IGVs are available for all Sundyne LF 2000 multi-stage compressors
- Given the 20+ year lifespan of Sundyne compressors, there are thousands of machines operating today that could also add the IGV as an efficiency upgrade.

- The IGV assembly uses the same bolting/interface and the installation does not require piping modifications
- IGV upgrade installations can be done in a single day





Many end-user facilities have added IGVs to their compressors. When combined with regular maintenance, this IGV upgrade has enabled each plant to enhance turndown by up to 30-percent, and achieve an average of 10-percent power savings, for less than 7-percent the cost of a new machine. IGVs also minimize stress on the entire system, which helps to extend the mean time between maintenance intervals.

**All it Takes to Enhance Efficiency and Reduce Power Costs – is a Single Phone Call, to Schedule a Sundyne Compressor Audit today!**

Sundyne's Field Services are provided on-site, by factory-certified engineers. They are designed to get compressors up-and-running quickly, and keep them running effortlessly. Services include:

- **Commissioning** of new units – ensures successful start-up.
- **Troubleshooting** and site surveys – if process conditions change or unforeseen factors cause problems, Sundyne's field engineers can inspect equipment, determine the root cause, and implement corrective actions immediately.
- **Service agreements** – include scheduled inspections, gearbox oil analysis, vibration data analysis, and consultations on operational optimization.
- **Conversion programs** – can be brought onsite to add IGVs and to install upgraded high efficiency impellers.
- **SundSCHOOL** On-site maintenance & operator training – Sundyne offers its popular factory-based training class on-site – bringing maintenance & operations theory, plus hands on disassembly/assembly practice to any customer location (in English, Spanish or French).

## Genuine Sundyne Parts

Sundyne's precise manufacturing practices are critical for the performance of Sundyne compressors. Even the smallest variance can generate inefficiencies. Using non-OEM components increases the risk of equipment failure and potential loss of warranty. But these risks are easily avoided through Sundyne Genuine Parts, which are precisely machined using advanced metallurgies and custom engineering processes. Sundyne's exact tolerances are backed by decades of testing & development. Avoiding replicator or pirated parts in Sundyne machines by standardizing on genuine Sundyne parts, significantly increases the mean time between maintenance intervals and ensures the performance and reliability that customers need to keep their operations running efficiently.



To learn how our extended service offerings can improve the efficiency of your Compressors and help you save on power costs, visit [www.sundyne.com](http://www.sundyne.com) or contact us toll free at 1-866-SUNDYNE.



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