

CASE STUDY

Saverglass Belgium Improves Efficiency and Reliability with Ingersoll Rand

In the tradition of French master glassmakers, the Saverglass Group manufactures and decorates high-end glass bottles for wines and spirits. Known worldwide for their outstanding product quality, originality and innovation, Saverglass became the first French glassmaker to earn ISO 9001 certification—a testament to their relentless pursuit of excellence.

For their refined glassblowing processes, Saverglass artisans rely on high-quality compressed air completely free of particles, moisture, or oil. The company is driven by a relentless quest for excellence, striving to create its exquisite custom products using sustainable means of production without compromises in quality.



THE CHALLENGE

As one of the critical air compressors serving the Saverglass facility in Ghlin, Belgium, reached end of life, the company looked to add a new compressor capable of delivering high-quality oil-free air and even higher levels of energy and production efficiency. To avoid unplanned downtime and keep production and revenue goals on track, reliability was also essential.

In addition, Saverglass wanted to simplify operations by working with a complete systems partner capable of regularly maintaining not only the new compressor, but also existing compressors and other downstream assets. Their installation included dryers and filters from multiple suppliers.

CLIENT REQUIREMENTS

- Class 0 oil-free air
- Energy and production efficiency
- Operational reliability with no/minimal unplanned downtime
- Simplified maintenance of new and legacy equipment
- Real-time data to monitor performance



THE SOLUTION

As its new machine, Saverglass chose the **Ingersoll Rand MSG® Centac® C700 3.5 bar Centrifugal Air Compressor**—one of the most efficient and reliable Ingersoll Rand models on the market today.

Multi-stage Centac compressors provide 100% clean, oil-free air in all operating conditions. Compared to other models, Centac compressors enable manufacturers to lower their energy use and operating costs without compromising quality. The advanced impeller design provides Saverglass artisans with peak performance and stable operating range.

Moreover, Centac compressors have fewer moving parts compared to rotary screw compressors in their class, which simplifies maintenance and reduces downtime—giving Saverglass the levels of reliability they were seeking. In fact, every component of Centac compressors is designed with simplicity in mind. They are mounted, piped and wired for convenient, single-point air and electrical connection.

Upgraded Maintenance and Management

Ingersoll Rand provides Saverglass with a full lifecycle approach to compressed air. This includes a PlannedCARE™ maintenance agreement for their new compressor as well as their total compressor installation.

Per PlannedCARE, Ingersoll Rand technicians visit Saverglass every two months to inspect all equipment, address potential issues before they cause problems, and ensure that all machines involved in the use of compressed air are operating with maximum efficiency.

For optimal management of their compressor installation, Saverglass chose a programmable logic controller (PLC) system interface that monitors the whole system and tracks the ratio of efficiency. The PLC enables Ingersoll Rand to make any adjustments or recommendations based on actual data when the time comes to consider renewing or adding consumption.

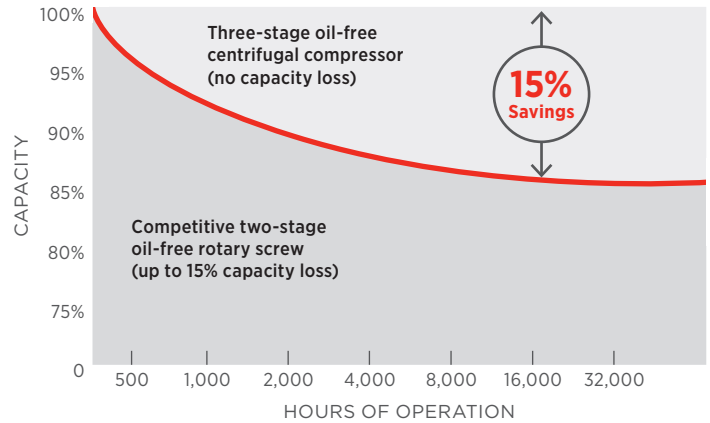


THE RESULTS

Ultimately, Centac's level of efficiency and the PlannedCARE maintenance package will result in a lower total cost of ownership for Saverglass Belgium, helping the company maintain its high standards for unmatched craftsmanship and sustainable processes.

The advanced technology fuelling the Centac compressor enables Saverglass to reach their efficiency goals: Centac compressors offer up to a 15% capacity advantage over competitive two-stage, oil-free compressors whose rotary components are subject to wear.

The new Centac compressor also creates internal management efficiencies. Historically, the Saverglass team had to engage



multiple compressor, dryer and filtration vendors to address issues across the system. Now, though, they have a single point of contact for all maintenance. This helps to eliminate confusion around responsibilities and accelerate response times.

The regular maintenance included with PlannedCARE greatly reduces—if not eliminates entirely—unplanned downtime. And the PLC often pays for itself within a year through alerts that lead to efficiency savings. The PLC also allows Saverglass to request changes from Ingersoll Rand and easily add more equipment to their overall installation in the future.

KEY ADVANTAGES of Ingersoll Rand MSG Centac® C700 with PlannedCARE Maintenance

- 100% oil-free air
- Up to 30% energy savings
- Greater reliability
- Regular maintenance schedule
- Lower total cost of ownership

Ingersoll Rand MSG Centac centrifugal air compressors are the most efficient and reliable air compressors on the market. Their packaged design makes them easy to install wherever needed. Every component of these compressors is mounted, piped and wired for convenient, single-point air and electrical connection.



“For all aspects of the Saverglass manufacturing operation, efficiency and reliability are critical. That’s why we went with the Centac C700. It’s a real advantage to have a partner like Ingersoll Rand who can supply the right equipment and oversee the maintenance needs of our entire compressed air system.”

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