

Protect critical petrochemical and refining operations with oil-free air

Oil-free electric and diesel air compressors

Engineered for optimal performance and compliance with environmental standards, our compressors ensure seamless operations for any project. Unlock the potential and confidence our solutions can bring to your business.

Available configurations include:

- 400 CFM Electric OFA
- 800 CFM Electric OFA
- 1600 CFM Electric OFA
- 1600 CFM Diesel OFA



Reduce costly contamination risk with ISO 8673-1 Class 0 certified air

Compressed air can come into direct contact with products, catalysts, analyzers and process equipment. When that air contains oil, even trace contamination can result in:

- Rejected batches and lost production
- Reduced catalyst activity
- Inaccurate analyzer readings
- Fouled reactors, piping, and equipment
- Additional cleaning and maintenance
- Safety exposure and unplanned shutdowns

For applications requiring oil-free air, Aggreko only supplies compressors certified to ISO 8573-1 Class 0, protecting your operation from product quality risks, unnecessary downtime, and costly setbacks.



Where does your process require oil-free air?

Aggreko supports critical oil-free air applications across petrochemical and refining facilities.

Protect catalyst and process performance:

Catalyst loading and regeneration

Oxidation reactors

Fluidization air

Adsorbent regeneration

Maintain continuity during planned and unplanned work:

Turnarounds

Nitrogen replacement

Replacement air during compressor failure,
maintenance or overhaul

Capacity augmentation

Support critical unit operations:

Sulfur recovery units

Steam-air decoking

Main air blow replacement for FCC units

Maintain product quality and accuracy:

Specialty chemical manufacturing

Clean analytical systems

Pneumatic conveying

Resin production

Instrument air

Real results: Aggreko's Class 0 certified air prevents a costly shutdown



Major Gulf Coast refinery | Gulf Coast

When a major Gulf Coast refinery needed 48 hours of continuous, oil-free air for a critical decoking operation, any interruption could have contributed to a wider shutdown carrying more than \$1 million per day in potential losses.

The result? Aggreko deployed two 1,600 CFM Class 0 diesel compressors to maintain consistent pressure, protect the process, and keep the decoking work on track.

Is instrument-quality air truly oil free?

Instrument-quality air does not reveal how the air was produced or guarantee its oil content. Unless ISO 8573-1 Class 0 is specified, oil may still be present.

Aggreko's Class 0-certified compressors introduce no oil during compression, reducing contamination risk at the source.

Your process is too valuable to leave oil purity to chance, choose certified Class 0 air.

Why choose Aggreko

Speed to site. Rapid mobilization for planned or emergency outages.

No CAPEX required. Flexible rental keeps capital free for other priorities.

Reliable performance. Engineered for heavy industrial loads.

Industry-specific expertise. We understand your process requirements and how to protect them.

24/7 support. From commissioning to monitoring, you're never on your own.

Unmatched scale and capability. Aggreko's diesel- and electric-driven compressors are certified to ISO 8573-1 Class 0, helping reduce contamination risk and protect critical petrochemical and refining operations.
