



Keep your world ON™
aggreko.com

Oil-free air compressors

Sustainable solutions.
Pure performance.

BROCHURE
Aggreko NAM



Who is Aggreko?



Aggreko designs, deploys and optimizes engineered energy and temperature solutions that keep your world on. We are all about 'on'. Power without pause. Heating, cooling and oil-free air without end. Every sector has its own demands and challenges. Our skill lies in designing solutions that work for your application, your site, and your specific moment.

Aggreko designs, deploys and optimizes engineered energy solutions that keep your world running.

Our mobile and modular air compressors and dryers provide dry, 100% oil-free air for safety and reliability in critical applications.

We offer flexible, scalable options for temporary support or long-term solutions that adapt to your specific requirements.

Our equipment delivers:

Flow rates from 400 to 1,600 cfm

Pressures up to 150 psig

Dew points as low as -100°F for contamination-free processes

Sound-attenuating canopies and remote monitoring maximize efficiency while meeting strict environmental standards.

Why partner with Aggreko?

Expertise you can trust

Our dedicated technicians bring deep sector knowledge. They deliver reliable solutions and exceptional value in power and compressed air.

Cutting-edge innovation

We continuously update and rigorously test our equipment. You get the latest advancements, maximizing efficiency and performance.

Rapid response

With a proven track record of quick deployment, our teams are available 24/7. We help you implement the best solutions for your needs.

Complete solutions

Our modular units come with all necessary accessories. Hassle-free setup and support.

24/7 monitoring

Aggreko Remote Management (ARM) provides real-time performance tracking and proactive support.

How your business benefits:

Lower emissions

Achieve your sustainability goals with our environmentally responsible air products.

Cost savings

Reduced fuel consumption and lower operational costs. Enhanced bottom line.

Actionable insights

Optimize and manage your compressed air systems via the Aggreko Connect portal and app.

Quiet operation

Perfect for projects where you need to minimize noise levels.

Efficient energy usage

Enhanced efficiencies through our optimized air solutions.

Fast installation

Plug-and-play systems ensure seamless integration. Save time and effort.



The cleanest air for the purest process

When air purity is critical our oil-free compressed air solutions provide a safe clean environment for your operations.

Compliant with the strictest air quality standard ISO 8573-1 Class 0, you can be assured of no contamination for your processes, products and people.

Processes

Our range of oil-free air compressors are essential for when you need optimum air quality for your processes.

Products

Eliminate the risk of airborne oil, prevent oil contamination in your products, and avoid costly build up in your equipment

People

Protect the safety and comfort of your employees with our oil-free air compressors.



Aggreko's 100% oil-free electric compressors cut your energy costs and boost reliability. With longer run-times and no oil maintenance, you get less downtime too.

You also reduce emissions to zero and eliminate oil disposal costs.



ISO Class 0

Class 0 air quality guarantees 100% air purity. This new class was brought into existence to meet the growing demands for sterile air. It is the cleanest choice available and is highly recommended for applications where air purity is critical.

Oil-free air for your sector



Our oil-free air compressors support operations across petrochemical, refining, shipping, manufacturing, and offshore wind sectors.

You need oil-free air for food and beverage and pharmaceutical operations to maintain air purity and ensure safe, efficient production.

Whether you're handling daily operations, capacity challenges, equipment testing, maintenance turnarounds, or scaling up production, our mobile oil-free air products deliver quickly with minimal disruption.



Manufacturing

In manufacturing, compressed air is widely used across many industries, with oil-free air being particularly crucial in sectors like food and beverage and pharmaceuticals, where air purity directly impacts product quality and safety.

Automotive

Assembly	Pneumatic conveying	Pick and place	Spray painting	Laminating and testing of windshields	Wastewater treatment
Robots and pneumatic tools for vehicle assembly	Used in pneumatic conveying systems to transport materials through pipelines	Used to generate a vacuum	100% oil-free compressed air for optimum spray-painting quality and finish	Used to cut, transport, laminate and test windshields	Low pressure air is used to treat wastewater for the production process

Pulp and paper

Air bearings and castors	Roller adjustment	Drying and cooling	Air knives	Surface treatment	Printing
Enable effortless handling of heavy products	Control of roller thickness ensures efficient paper production	Essential for drying and cooling paper sheets	Low-pressure air supply for moisture and debris removal	Used to apply protective coatings	To operate printing equipment and pumps

Pharmaceuticals

Packaging	Instrumentation air		Wastewater treatment		
Essential for cleaning and drying packaging materials	Pneumatic conveying and control of numerous processes		Low pressure air treats wastewater during production		

Bottle production

Instrument air	Pneumatic conveying	Molding	Pick and place
Used to control valves and pumps	Used in pneumatic conveying systems to transport materials through pipelines	Used to form the bottle within a mold	Used to generate a vacuum





Steel

Instrument air	Forging	Oxygen injection
Used to control valves and pumps	Used in pneumatic press in the forging process	Oxygen is injected into blast furnaces to increase productivity and lower production costs

Food and beverage

Fermentation	Transportation	Cleaning air	Cooling and spraying
Compressed air for nitrogen production and ventilation in the brewing process	Used to transport ingredients along the pipes whilst maintaining their purity	Used for cleaning bottles, packaging and moulds	Cools baked goods without contamination

Offshore/Shipping

Pneumatic tools	Painting and surface treatment
Powering tools for ship maintenance and repair	Used for paint and resurfacing

Oil and gas

Instrument air	Pipeline, drying and purging
Used to control valves and pneumatic instruments	Removing contaminants and moisture to prevent damage and corrosion

Construction

Pipelines	Driving equipment	Sandblasting	Painting and spraying	Wastewater treatment
Pressure testing and drying for pipelines	Driving drilling or tunnelling equipment	To remove paint, rust, or corrosion from surfaces	For applying even coatings to structures of surfaces	Low pressure air is used to treat wastewater

Petrochemical and Refining

Instrument air	Aeration	Air separation	Hazardous processes	Cool-down of reactors
Used to control valves and pumps	Oxygen injection and agitation for chemical processes	Produce nitrogen in membranes	Vital to eliminate explosion risk in chemical processes	Cool down reactor to allow quicker access
Surface treatment	Catalyst regeneration	Wastewater treatment	Pneumatic transport	Vessel purging and dehydration
Applying protective coatings	Regenerate or remove spent catalysts	Clean air plays a critical role in purifying water before it's used in manufacturing processes	Transport powders along the pipework or keel level in a silo	Purging and dehydration of a vessel replaces the gases in a vessel with clean air. When hot air is used, it dries out the interior of the vessel to prevent moisture-related damage to equipment

Utilities

Instrument air	Soot blowing	Aeration	Nitrogen generation
Operate pneumatic instrumentation devices	Removing accumulated debris such as ash or soot from equipment like boilers and furnaces	Inject oxygen and agitation for chemical processes	Compressed air is used to generate nitrogen
Ventilation	Bubble curtains (wind farms)	ILRTs	
Ensure sufficient airflow in the facility	Used to create protective bubble curtain to safeguard marine life	Leak Rate Test (ILRT): Test the integrity of the valves and penetrations through the containment structure	



CASE STUDY

Cooling innovation



LOCATION
Texas, USA

SECTOR
Utilities

KEY FACTS

5 HOURS

REDUCED COOLING TIME FROM 10 DAYS

\$100 K

APPROXIMATE COST SAVINGS

The challenge

Accelerating pipeline testing with Aggreko's rapid solution

When tasked with commissioning 4,600 feet of newly constructed pipeline in Texas, our customer faced a critical challenge: the hydrotest water was heating up to 110°F, risking significant delays. Waiting for the water to cool organically could take up to 10 days, leading to costly downtime and extended crew presence. To keep the project on track and ensure efficiency, a rapid solution was crucial to bring the temperature down from 110°F to the required 70°F for testing.

The solution

Rapid cooling, seamless operation

Aggreko delivered a rapid cooling solution that transformed the project timeline:

400-ton chiller: Dropped the water temperature to an impressive 60°F in just 5 hours.

1 MW diesel generator: Powered the cooling system with maximum efficiency.

1,600 cfm diesel air compressor: Supplied 100% oil-free air to seamlessly push water into the pipeline and back to the frac tanks.

Custom manifolds and valves: Ensured effective flowback management for optimal performance.

Low-amperage desiccant dryer: Eliminated residual moisture from the pipeline, meeting stringent specifications.

The impact

Quick response, enhanced efficiency

Aggreko's rapid cooling solution cuts the water-cooling time from 10 days to just 5 hours, allowing the pipeline to undergo hydro-testing 48 hours earlier than planned. This accelerated timeline resulted in a 30% reduction in on-site labor costs, saving the client approximately \$100,000.

By implementing a mechanical system, the project efficiency improved significantly, demonstrating a 25% increase in overall productivity while ensuring compliance with stringent moisture specifications.

Implemented a rapid cooling solution to expedite the hydro-testing process.

Significantly reduced project downtime.

Enabled the client to streamline operations and cut costs.

Enhanced overall productivity, showcasing Aggreko's expertise in high-stakes environments.

Achieved cost savings of approximately \$100,000.

Reduced cooling time from 10 days to just 5 hours.

→ Our solution cut hydro-testing time from 10 days to just 5 hours, saving \$100,000.

Oil-free electric air compressor



Unlock the power of Aggreko's oil-free electric air compressors, delivering 100% oil-free air sustainably.

With impressive pressures up to 150 psig and flow rates from 400 to 1,600 cfm, our compressors are built to meet the demands of any operation while keeping environmental impact low. Experience the reliability and efficiency of our solutions today!



400 cfm electric air compressor	
Capacity	400 cfm
Electric requirement	480V / 3 phase / 60 Hz
Min operating temp (°F)	-9 °F (-23 °C)
Max operating temp (°F)	105 °F (41 °C)
Min pressure (psig)	40 psi (2.76 bar)
Max pressure (psig)	135 psi (9.31 bar)
Package FLA/ breaker size	174 / 200 amp
Nominal shaft power	100 hp (75 kW)
Approach temperature (discharge)	12 °F (-11 °C)
Length (ft)	6.80 ft (2.07 m)
Width (ft)	4.00 ft (1.22 m)
Height (ft)	7.50 ft (2.29 m)
Gross weight (lbs)	5,280 lbs (2,395 kg)



800 cfm electric air compressor	
Capacity	800 cfm
Electric requirement	480V / 3 phase / 60 Hz
Min operating temp (°F)	-10 °F (-23 °C)
Max operating temp (°F)	105 °F (41 °C)
Min pressure (psig)	40 psi (2.76 bar)
Max pressure (psig)	150 psi (10.34 bar)
Package FLA/ breaker size	253 / 400 amp
Nominal shaft power	200 hp (149 kW)
Approach temperature (discharge)	20 °F (-7 °C)
Length (ft)	8.75 ft (2.67 m)
Width (ft)	6.15 ft (1.87 m)
Height (ft)	8.33 ft (2.54 m)
Gross weight (lbs)	8,900 lbs (4,037 kg)

Oil-free electric air compressor



1600 cfm electric air compressor	
Capacity	1600 cfm
Electric requirement	480V / 3 phase / 60 Hz
Min operating temp (°F)	-20 °F (-29 °C)
Max operating temp (°F)	105 °F (41 °C)
Min pressure (psig)	40 psi (2.76 bar)
Max pressure (psig)	150 psi (10.34 bar)
Package FLA/ breaker size	564 / 800 amps
Nominal shaft power	400 hp (298 kW)
Approach temperature (discharge)	15 to 20 °F (-9 to -7 °C)
Length (ft)	16 ft (4.88 m)
Width (ft)	7.5 ft (2.29 m)
Height (ft)	8.0 ft (2.44 m)
Gross weight (lbs)	13,200 lbs (5,987 kg)



FEATURES
100% oil-free compressor
Durable containment frame and smaller footprint for easy maneuverability
Innovative design for excellent air flow and maximum cooling efficiency
Extended runtime with extended service intervals
Hot air bypass
AutoStart and remote start
State-of-the-art 7" color touch screen controller
24/7 Aggreko Remote Monitoring

BENEFITS
Delivery of ISO 8573-1 Class 0 air
High reliability technology for maximized uptime
More runtime with extended service intervals
Quiet operations
Zero emissions
Zero oil, zero risks, zero contamination
Lower total cost of rental
Nationwide fleet backed by unrivaled dedicated industry experts
Data-driven proactive diagnostics, response and issue resolution by expert support team to avoid preventable failures, minimize downtime, accelerate troubleshooting, and enable equipment right-sizing

Oil-free diesel air compressor

➔ Discover the advantages of Aggreko's 100% oil-free diesel air compressors, delivering clean, reliable air at pressures up to 150 psig and flow rates of 1,600 cfm.

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.



1600 cfm Tier 4 Final diesel compressor (ZACY)	
Capacity	1600 cfm
Min operating temp (°F)	-15 °F (-26 °C)
Max operating temp (°F)	110 °F (43 °C)
Min pressure (psig)	50 psi (4.826 bar)
Max pressure (psig)	150 psi (10.342 bar)
Nominal shaft power	617 hp (460 kW)
Approach temperature (discharge)	12 °F (-11 °C)
Length (ft)	20 ft (6.1 m)
Width (ft)	7.5 ft (2.29 m)
Height (ft)	8.5 ft (2.59 m)
Gross weight (lbs)	21,500 lbs (9,752 kg)
Gross fuel (gal)	324 US gal (1,230 liters)

Oil-free diesel air compressor



1600 cfm Tier 4 Final diesel compressor (ZADY)

Capacity	1600 cfm
Min operating temp (°F)	-20 °F (-29 °C)
Max operating temp (°F)	125 °F (52 °C)
Min pressure (psig)	150 psi (10.342 bar)
Max pressure (psig)	70 psi (4.826 bar)
Nominal shaft power	500 hp (399 kW)
Approach temperature (discharge)	20 °F (-6.7 °C)
Length (ft)	20.93 ft (6.38 m)
Width (ft)	7.35 ft (2.24 m)
Height (ft)	8.43 ft (2.57 m)
Gross weight (lbs)	21,000 lbs (9,525 kg)
Gross fuel (gal)	250 US gal (946 liters)



FEATURES

- 100% oil-free compressor
- Meets EPA Tier 4 Final emissions standards
- Durable containment frame and compact design for ease of maneuverability
- Innovative design for excellent air flow and maximum cooling efficiency
- Hot air bypass
- AutoStart and remote start
- “Save-all” containment base to minimize fuel spillage in upset conditions
- State-of-the-art 7” color touch screen controller
- 24/7 Aggreko Remote Monitoring

BENEFITS

- Delivery of ISO 8573-1 Class 0 air
- High reliability technology for maximized uptime
- Longer run times and lower fuel costs
- Reduced emissions with CARB and EPA-compliant exhaust levels
- Noise reduction with sound attenuating canopy design
- Zero oil, zero risks, zero contamination
- Lower total cost of rental
- Nationwide fleet backed by unrivaled dedicated industry experts
- Can be combined with fuel management services to remove burdens associated with planning fuel deliveries, breakdowns, or production interruption risks
- Proactive diagnostics and expert support to prevent failures, reduce downtime, and optimize equipment performance
- Continuous monitoring by Aggreko’s Remote Operations Center (ROC) for maximum uptime, with real-time alerts via the ARM app and portal

Desiccant air dryers

➔ Aggreko's desiccant air dryers provide reliable, clean, and dry air solutions tailored to your industrial needs, seamlessly integrating with our compressed air equipment to ensure optimal performance.



450-5400 cfm air dryer

Rating	450-5400 cfm
Electric	120V/1/60
Min operating temp (°F)	40
Max operating temp (°F)	120
Min pressure (psig)	80
Max pressure (psig)	150
Pressure dew point (°F)	-40/-100

FEATURES

Desiccant-based dryers with capacities up to 5,400 cfm and dew points as low as -100°F

Equipped with particulate automatic condensate drains, and an afterfilter that cleans outlet air down to 0.01 micron

Dewpoint monitoring available upon request

BENEFITS

Can be paired with oil-free compressors and aftercoolers to provide a complete compressed air solution

When used with oil-free compressors, dryers deliver ISO 8573.1: 2010 Class 0 for clean, dry air

Aggreko Connect

→ We've got you covered – anytime, anywhere.

Take control of your energy with Aggreko Connect. Manage your account and temporary assets seamlessly from a single platform, with real-time performance monitoring, detailed reports, and actionable insights at your fingertips. Access key operational data on the go to track efficiency, monitor emissions, and make informed decisions that optimize your energy solutions.

All-in-one information access

Streamlined account management

Real-time equipment
performance monitoring

On-demand customer support

A simpler, smarter way to stay in control of your energy solutions

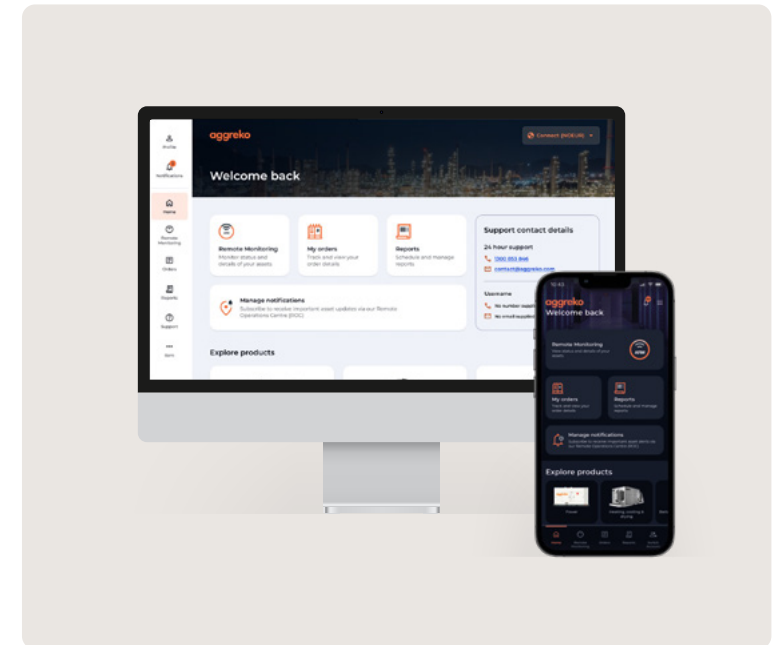
Orders

Reports

Remote Monitoring

Critical Alarm notifications

Support seamless operations



→ Access the same reliability, insights, and support from the Aggreko Connect web portal, now on your phone.



Aggreko Remote Monitoring (ARM)

→ Part of our Aggreko Connect platform, ARM provides real-time monitoring of your equipment, detecting and alerting us to any potential issues.

Working alongside our Remote Operations Center (ROC), ARM enables us to take a proactive approach, resolving issues before they escalate. The ROC team, available 24/7, monitors performance and provides expert support to minimize disruptions and maximize uptime, ensuring your operations run smoothly.



Key benefits:

Maximized uptime:

Continuous monitoring ensures optimal performance.

Immediate response:

Rapid support from our specialists when issues arise.

Proactive monitoring:

Early detection to prevent downtime and reduce risks.

Prepared technicians:

Technicians arrive on-site with all the necessary information.

Cost savings:

Reduced service costs with proactive monitoring and maintenance.

→ ARM keeps your operations running smoothly while you focus on what matters.

Sustainable solutions. Pure performance

Temporary power, HVAC and compressed air when you need it, where you need it.

Get in touch with us to discuss your oil-free air compressor solutions.

