

Additional Program Enhancements Available

Control System Modernization:

Optional control system upgrades are available to modernize your facility with the industry's leading benchmark – the FS-Elliott REGULUS® Control System. The majority of older installations utilize electro-pneumatic control systems that have many mechanical moving components such as valves, relays and switches. Over time, these items begin to wear and require maintenance adjustments or replacement. The REGULUS® is a PLC based system that virtually eliminates all of these nuisance issues. The new system provides precise control to minimize energy costs and maximize reliability. The REGULUS® Control System includes a comprehensive group of standard features. FS-Elliott also offers an extensive number of options that enable you to configure the system to accommodate your specific needs.

Factory Testing:

When your refurbished compressor package arrives back at your site, it has undergone a rigorous process covering the product design, manufacture, inspection and testing governed by our ISO 9001:2000 Certified Quality Management System. The testing options include mechanical and aerodynamic testing programs. Mechanical testing includes a two hour test period with the following parameters being monitored and recorded – speed, vibration, and lubricant temperatures and pressures. Aerodynamic performance testing includes confirmation of the energy usage and operational parameters.

Extended Warranty:

Twenty Four Month

An optional twenty-four (24) month extended air end warranty can be offered with the exclusive use of our Corona™ Brand Lubricant. This is a premium blend of fluids specially formulated to provide long life cycles between lubricant replacements. This program also includes participation in quarterly lubricant sampling analysis free of charge.

Five Year

The twenty four (24) month air end warranty program can be upgraded to a five (5) year period by including a Long Term Maintenance Agreement with your local FS-Elliott authorized distributor. You can be ensured of the best service and genuine OEM parts from a committed technician who is the most knowledgeable with your compressor.

Installation and Start-Up Assistance:

Installation and start-up services can also be provided. You will be ensured the best service from committed technicians who are the most knowledgeable with your compressor. Our TEAM of authorized distributors is your assurance that all of your needs will be taken care of quickly, professionally and completely – our goal is your total satisfaction and a long-term relationship.

For more information and details on the Reconditioned Unit Program and other ways FS-Elliott can benefit you please contact us:



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ISO 9001 – Certified for design and manufacture of centrifugal compressors.



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FS-Elliott's Reconditioned Unit Program

FS-Elliott's Recondition Program provides compressor owners and operators with an opportunity to refurbish and upgrade their compressor in one all-inclusive solution. Our professional staff has the experience and technical expertise to provide unique solutions that will have your air compression system performing to its maximum potential. The program scope is flexible with options that provide energy improvements and reliability enhancements that will have a positive impact on your long term cost of ownership. Key elements of the program include:

- *Site Audit*
- *One Stop OEM Engineering and Project Management*
- *General Reconditioning of Complete Compressor Package*
- *New Air End Module*
- *Aerodynamic Energy Enhancements*
- *Mechanical Reliability Upgrades*
- *Technical Manual Update*
- *One Year Warranty*



Reconditioned Unit Program – Key Elements

New Compressor Air End:

FS-Elliott offers pre-engineered air end modules. These modules incorporate advanced aerodynamic and mechanical components while minimizing cost and lead-time impacts.

Aerodynamic Energy Enhancements: New aerodynamics incorporate the most up-to-date, high-efficiency flow paths. Many older compressors utilize a butterfly valve arrangement to control the inlet air flow. The butterfly valve can be upgraded with a more efficient Adjustable Inlet Guide Vane arrangement. These aerodynamic hardware improvements typically produce efficiency gains of 2% to 5% with payback periods measured in months.

Mechanical Reliability Upgrades: Mechanical upgrades are also a key element of this program. The most up-to-date bearing and seal hardware is available for retrofitting into existing installations. New instrumentation for monitoring vibrations, temperature and pressure is also available. These upgrades focus on enhancing reliability and longer run times between planned maintenance cycles.

General Overhaul:

Experienced craftsmen will overhaul the compressor package within five days after the unit is received at our facility. The existing air-end is removed and replaced with a new casing and components. The intercoolers are replaced or repaired, cleaned and new seals and gaskets are installed and leak tested. The lubrication system, including pump, oil cooler and filter will be replaced or reconditioned. And finally, the entire compressor package will be cleaned and painted.

Site Audit:

The site audit includes a comprehensive inspection of the compressor and its operating history that identifies issues and problem areas. Potential energy savings, reliability and safety upgrades are also identified. The end user can review the options and decide on the scope of work that best fits their goals and budget.

OEM Engineering and Project Management:

As the Original Equipment Manufacturer (OEM), our engineering staff is in the unique position to have access to the authentic manufacturing drawings and material specifications. Our customers can have total confidence that their reconditioned unit will have the proper fits, clearances, and most importantly perform as intended the first time and every time. Our Project Management organization focuses on the successful planning and execution of your project. A dedicated FS-Elliott Project Manager will be your single point contact assuring we meet or exceed your expectations.

Customer Satisfaction is Our Business