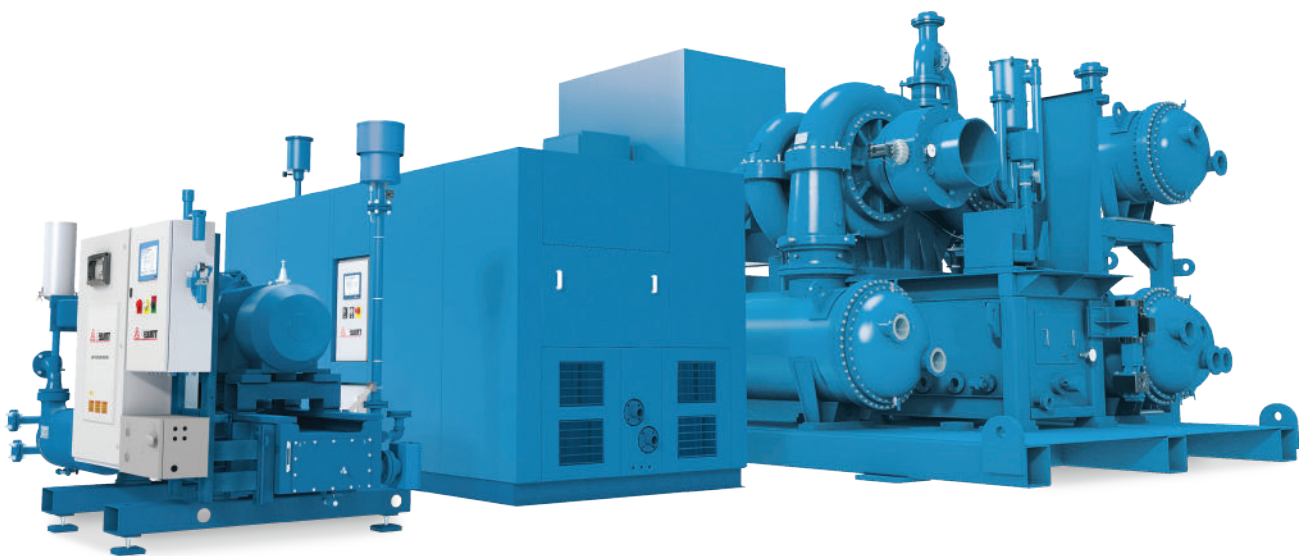


AT A GLANCE

THE FS-ELLIOTT PRODUCT LINE

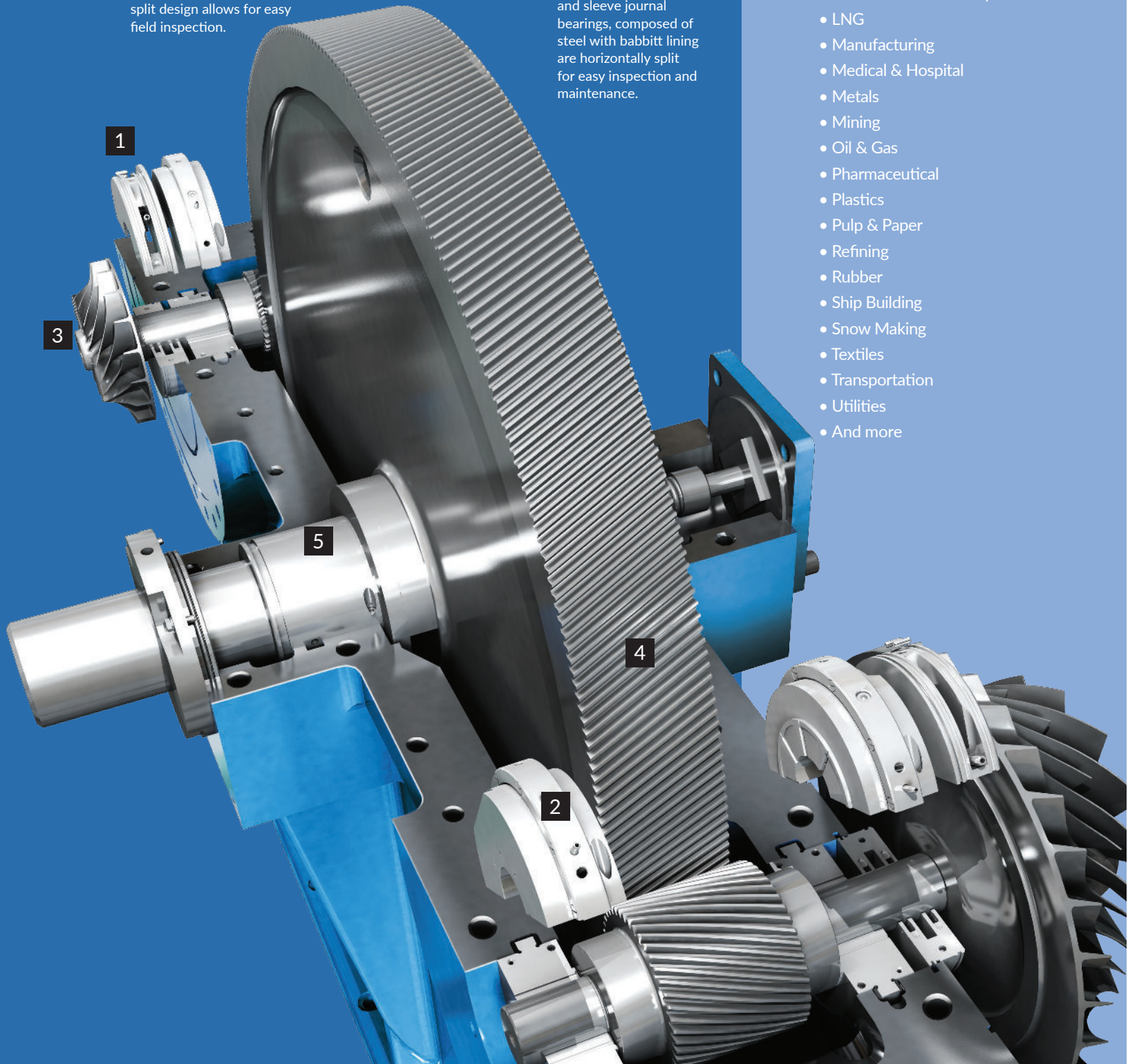


Field-Serviceable Gearbox Features

- 1. Carbon Ring Shaft Seal** - Responsible for keeping the oil in the gearbox and out of the compression chamber. The horizontally-split design ensures ease of maintenance.
- 2. Self-centering, Tilt, or Flex Pad Journal Bearings** - Mechanically superior bearings require less oil consumption, reduce power requirements, and are designed to withstand aerodynamic and gearing loads for the lifetime of the compressor. Horizontally-split design allows for easy field inspection.
- 3. Impeller** - Customized for each application, the stainless steel, backward leaning impellers resist corrosion leading to longer product life and can be easily controlled to optimize air flow and air compression.
- 4. Helical Bull Gear** - High-precision AGMA Q-13/ISO 1328.2 grade 4 to minimize noise and vibration. Designed to operate at the optimal rotational speed for highest efficiencies.
- 5. Bull Gear Bearings** - The combination flat-land thrust bearings and sleeve journal bearings, composed of steel with babbitt lining are horizontally split for easy inspection and maintenance.

Markets & Industries Served

- Air Separation
- Automotive
- Chemical & Petrochemical
- Electronics
- Electric Car & Battery Production
- Food & Beverage
- General Industry
- Glass
- Government & Military
- LNG
- Manufacturing
- Medical & Hospital
- Metals
- Mining
- Oil & Gas
- Pharmaceutical
- Plastics
- Pulp & Paper
- Refining
- Rubber
- Ship Building
- Snow Making
- Textiles
- Transportation
- Utilities
- And more



Adding Value to Your Manufacturing Facility

Few manufacturing operators have the resources to become experts in their compressed air system. When you partner with FS-Elliott, our experts become your experts, and our experience with centrifugal technology allows us to bring the most efficient and reliable means of producing oil-free compressed air possible to your facility. Even in the most demanding environments, an FS-Elliott centrifugal compressor will deliver reliability and significantly reduced energy costs.

Our commitment to providing true value to our customers through quality products and services is the driving force behind all that we do. With that in mind, FS-Elliott promises the highest level of support from a team dedicated to the success of your compressor, from the start of a project to installation and beyond.

That is our promise at FS-Elliott – one we have been keeping for over 60 years.

What we offer our customers:

- **Certified ISO 8573-1 Class 0 Oil-Free Air**
Eliminates the risk of contamination and reduces filter and disposal costs.
- **Lower Energy Costs**
Compressors are designed to lower energy expenses for your facility and reduce your carbon footprint.
- **Reliability in the Most Demanding Conditions**
Compressor life expectancy of 20+ years of continuous use, with units currently operating that were installed over 60 years ago.
- **Low Maintenance Design**
Includes only three moving parts, none of which require regular replacement.
- **Predictive Maintenance Expertise and Support**
Available throughout the life of your compressed air; maximizing plant uptime and increasing productivity.
- **Quality OEM Parts and Service**
Lubricants, heat exchangers, airend replacements, and more designed specifically for your machine.
- **API 672 Compliant Offerings**
Pre-engineered packages designed to meet API requirements critical to supporting the oil and gas, petrochemical, and LNG markets.
- **Custom Engineered Packages**
Customized compressor packages to meet client specification and the most demanding site conditions.

Compressed Air Solutions

Polaris® Compressor Series



P300

25–60 m³/min (900–2,200 CFM)
185–335 kW (250–450 HP)
2.75–10.5 BARG (40–150 PSIG)



P400

45–100 m³/min (1,500–3,400 CFM)
300–600 kW (400–800 HP)
2.75–17.2 BARG (40–250 PSIG)



P500

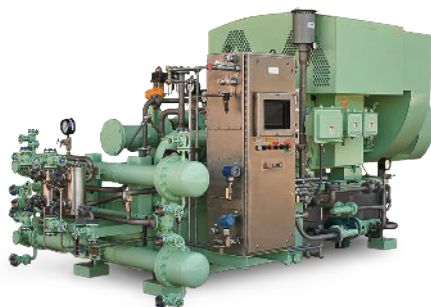
70–130 m³/min (2,600–4,500 CFM)
450–750 kW (600–1,000 HP)
2.75–10.5 BARG (40–150 PSIG)



P600

110–190 m³/min (3,900–6,700 CFM)
520–1,000 kW (700–1,350 HP)
2.75–17.2 BARG (40–250 PSIG)

PAP Plus® Compressor Series



S1

25–60 m³/min (900–2,200 CFM)
120–375 kW (160–500 HP)
2.75–12.1 BARG (40–175 PSIG)



A1

45–100 m³/min (1,500–3,500 CFM)
190–595 kW (260–800 HP)
2.75–15.2 BARG (40–220 PSIG)



BH

100–200 m³/min (3,500–7,000 CFM)
400–1,165 kW (540–1,560 HP)
2.75–14.9 BARG (40–216 PSIG)



CH

155–300 m³/min (5,500–10,600 CFM)
650–1,800 kW (875–2,450 HP)
2.75–17.2 BARG (40–250 PSIG)

Regulus® Compressor Control Systems



R1000

- Standard Industrial Controller
- Meets Industrial Use Requirements



R2000

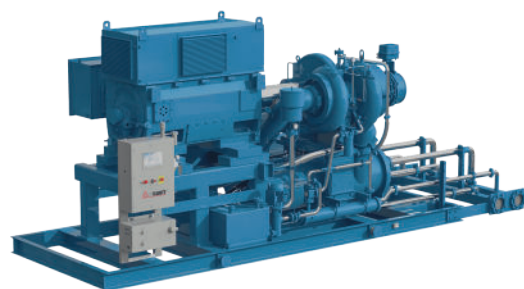
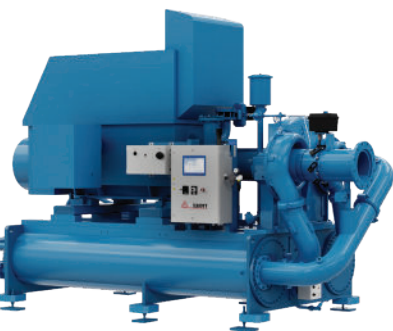
- Industrial and Entry-Level Engineered, PLC-Based Control System
- Ideal for Both New Apparatus and Retrofit Installations



R3000

- Enhanced Engineered PLC Controller
- Fully Customizable Solution including Redundancy Options

For more information on the benefits of an FS-Elliott compressor and to view our complete product line, please visit www.fselliott.com



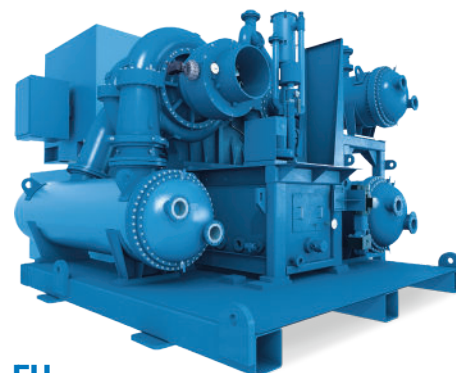
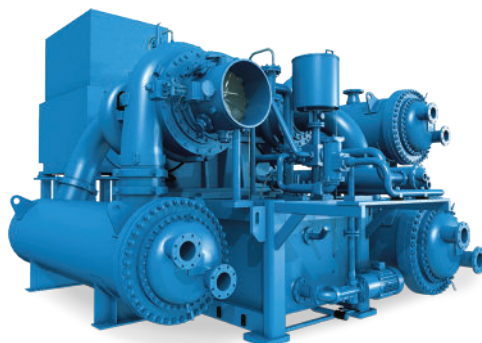
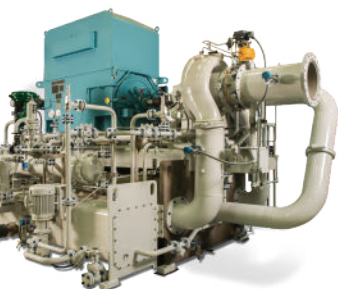
P650

P700

90 m³/min (4,000–6,800 CFM)
1,120 kW (700–1,500 HP)
0.5 BARG (45–150 PSIG)

140–285 m³/min (5,000–10,100 CFM)
500–1,500 kW (700–2,000 HP)
2.2–10 BARG (32–145 PSIG)
*Extended flow up to 560 m³/min (20,000 CFM)
with P650 DF at ≤3.5 BARG (50 PSIG).

170–340 m³/min (6,000–12,000 CFM)
750–2,050 kW (1,000–2,750 HP)
2.75–10.5 BARG (45–150 PSIG)



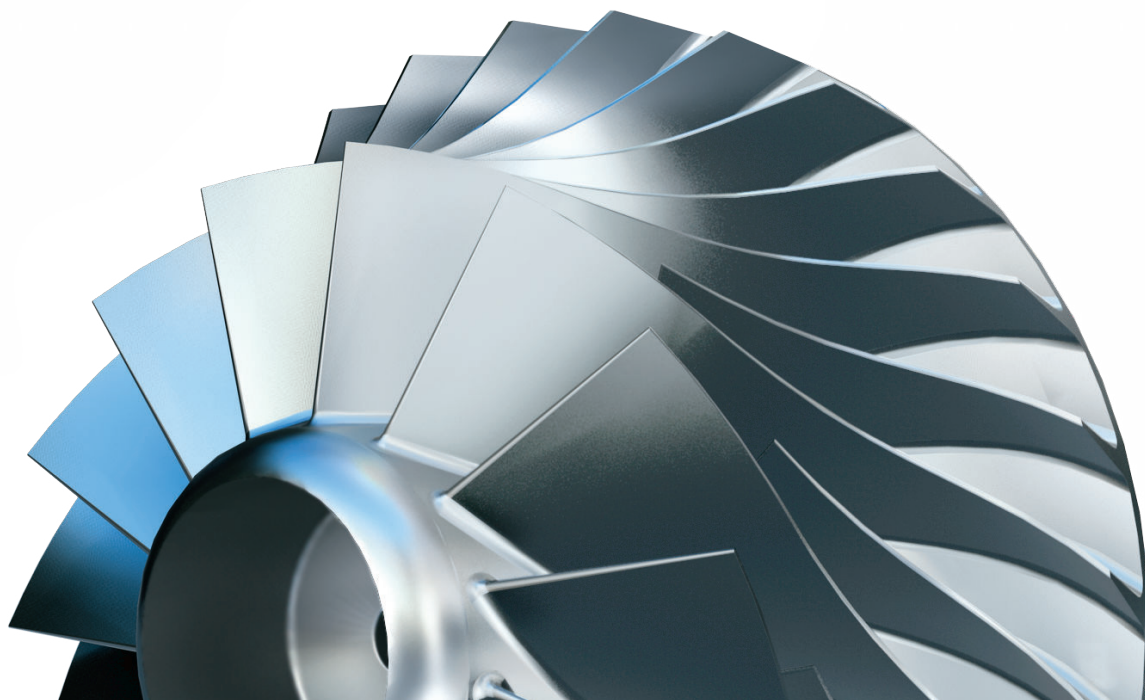
DH

EH

40 m³/min (5,500–12,000 CFM)
1,000 kW (875–2,750 HP)
4.3 BARG (40–207 PSIG)

285–525 m³/min (10,000–18,500 CFM)
835–4,100 kW (1,125–5,500 HP)
2.75–31 BARG (40–450 PSIG)

425–695 m³/min (15,000–24,500 CFM)
1,305–4,475 kW (1,750–6,000 HP)
2.75–25.2 BARG (40–365 PSIG)





FS-Elliott products are also supported locally by over 70 factory-trained channel partners located around the world.

Building on a 60-year tradition of excellence in compressor design and manufacturing, FS-Elliott brings our customers the resources of a global industry leader along with the convenience and responsiveness of local sales and service. Thousands of reliable, hard-working FS-Elliott compressors are installed worldwide.

FS-Elliott Co., LLC

5710 Mellon Road
Export, PA 15632-8948, USA
+1.724.387.3200 tel
+1.724.387.3270 fax
info@fs-elliott.com email
www.fs-elliott.com

Represented by:



ISO 9001-certified for the design and manufacture of centrifugal compressors



FS-Elliott Co., LLC reserves the right to modify the design or construction of the equipment described in this brochure and to furnish it, as altered, without further reference to the illustrations or information contained herein.