SE SERIES
ROTARY SCREW AIR COMPRESSORS

FIXED SPEED
ROTARY SCREW
AIR COMPRESSORS
20–50HP
Some companies are founded on hard work. Others are founded on ideals.

**FS-Curtis was founded on both.**

More than 150 years ago, the FS-Curtis way of doing business was established through two key commitments: a dedication to building quality products and a dedication to responsive customer service.

Over the decades, the company and its products have evolved through innovation and new technologies. But those commitments to quality and service remain unchanged. Today, just as in 1854, FS-Curtis customers can depend on our products for reliable, long-term service. Equally as important, they can depend on getting the same from our people.

**Trust and dependability are the foundations of our past and the fabric of our future.**

— Brent Becker – President, FS-Curtis

### Real-World People

When you’re successful, we’re successful. That’s why FS-Curtis listens. Trust and dependability are the foundations of our past and the fabric of our future, so you can count on being treated with the personal touch you deserve.

### Real-World Products

Take more than a century of experience building quality compressors, add in a staff that’s listening to the needs of the market, and the result is a product lineup that’s built for tough working conditions. No wonder so many customers around the world depend on FS-Curtis compressors day in and day out.
SE Series compressors combine efficient operation with outstanding durability in the most demanding environments.

SE SERIES FEATURES AT A GLANCE

SUPERIOR PACKAGE DESIGN
Low cost of ownership.
- Space-saving compact design
- Exclusive FS-Curtis airends feature the latest rotor profile to maximize efficiency
- Simplifies maintenance through easy access to all components
- AIMS Plus™ controller
  - Reliable and easy to use
  - Sequencing of up to 8 compressors

QUALITY COMPONENTS
Built for 100% continuous duty.
- Generously sized components for the utmost in reliability
- Constructed for years of reliable, trouble-free operation

eCOOL® TECHNOLOGY
Exclusive system protection
- The ultimate in system protection and reliability
- Protects critical components from compressor-generated heat
- Extends component life and reduces downtime

SE Series compressors are valued worldwide for their legendary reliability.

Housed in a space-saving compact design and built for continuous, quiet operation, the SE Series delivers steady airflow with stable air pressure. The result is outstanding air quality with minimal oil carryover, giving you the performance you need backed by the durability you want.

A TRUSTED INDUSTRY CLASSIC
SE Series air compressors from FS-Curtis are valued worldwide for their legendary reliability. Housed in a space-saving compact design and built for continuous, quiet operation, the SE Series delivers steady airflow with stable air pressure. The result is outstanding air quality with minimal oil carryover, giving you the performance you need backed by the durability you want.

PROVEN PERFORMANCE

SE SEries AIR COMPRESSORS

AMERICAN CRAFTSMANSHIP
ST. LOUIS, MO USA
eCool technology maximizes cooling airflow for greater energy efficiency, improved reliability and extended service life.

dBa SHIELD NOISE REDUCTION – A SOUND INVESTMENT
Noisy compressors can limit your installation options. FS-Curtis has the solution. The SE Series combines a special fan design, airflow baffling and sound insulation for extremely quiet operation. It’s so quiet, you can install the unit closer to where you want to use it.

SUPERIOR PACKAGE DESIGN
Only FS-Curtis can pack so much power and performance into a space-saving, easy-to-install design. The continuous-duty control is a true workhorse. The inlet and discharge valve assemblies integrate multiple functions, reducing connections by up to 50 percent. Braided stainless-steel hose assemblies feature hydraulic fittings and bonded o-ring seals for reusable service.

AUTOMATIC BELT-TENSIONING DEVICE
Cut maintenance time and costs. Rather than a fixed-belt-tensioning device, SE Series compressors have a hinged drive motor platform engineered to harness gravity and direction of rotation to ensure optimal belt tension under all operating conditions, greatly reducing maintenance time. Additional efficiency comes from the positioning of the premium efficiency TEFC motor to provide variable belt tension for efficient operation during changing conditions.

OPTIONAL DRYER
With virtually no installation cost, you can increase air quality and gain peace of mind with an FS-Curtis dryer. By removing moisture and oil, a dryer protects your system and helps maintain production quality. FS-Curtis has a complete offering of compressed air treatment products and solutions to keep your production high and your air system dry.

The famous FS-Curtis attention to detail shines through with features like a heavy-duty powder-coated enclosure and washable cabinet filters to protect internal components. Cleanable inlet filtration panels pre-clean the incoming air stream for lower operating costs, greater compressor reliability and higher air quality. Energy-efficient NEMA Premium Efficient motors ensure long operating life. Plus, the deep pleats on our filters provide 200% more surface area than typical filter elements to remove finer contaminants with less flow resistance. That means air and lubrication circulation systems stay cleaner, last longer and require less energy.

A thermostatic oil controller with an integrated FS-Curtis oil filter further ensures that only cool, clean air is compressed.

AIR INTAKE FILTER
This is your first line of defense, so quality matters. Our filter is rated at 3 micron absolute, not 5 or 10 like some competitors. Heavy-duty construction offers internal dirt purge at shutdown, and the air inlet port is optimally positioned to receive the coolest air as it enters the cabinet.

OIL FILTER
The FS-Curtis oil filter is 33% more efficient than most competitors. It features deep pleating for long life and simply spins on for fast, easy replacement.

AIR/OIL SEPARATOR
Here again, FS-Curtis is 33% more efficient than most competitors. Deep-pleated construction and inside-to-outside flow paths provide excellent oil coalescence, resulting in 3ppm or less oil carryover and low pressure drop before the aftercooler. That translates to lower make-up oil costs and higher-quality compressed air.

AIMS PLUS™ CONTROLLER
With a large, easy-to-read display, this user-friendly control interface ensures easy operation. The informative menus guide you through settings, and service timers let you know when it’s time for maintenance. The warning/alarm and shutdown give you dual-level protection. Additional features ranging from a real-time clock and auto startup/shutdown to frost protection and emergency stop help assure both efficient performance and system protection.
**BASE MOUNTED**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY (SCFM)</th>
<th>MOTOR</th>
<th>SOUND LEVEL</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 psig</td>
<td>125 psig</td>
<td>150 psig</td>
<td>175 psig</td>
<td>HP</td>
</tr>
<tr>
<td>SE-20</td>
<td>91</td>
<td>81</td>
<td>72</td>
<td>62</td>
<td>20</td>
</tr>
<tr>
<td>SE-25</td>
<td>108</td>
<td>100</td>
<td>90</td>
<td>84</td>
<td>25</td>
</tr>
<tr>
<td>SE-30</td>
<td>129</td>
<td>116</td>
<td>101</td>
<td>94</td>
<td>30</td>
</tr>
<tr>
<td>SE-40</td>
<td>188</td>
<td>165</td>
<td>148</td>
<td>139</td>
<td>40</td>
</tr>
<tr>
<td>SE-50</td>
<td>222</td>
<td>205</td>
<td>182</td>
<td>170</td>
<td>50</td>
</tr>
</tbody>
</table>

**COMPRESSOR PACK**

Full package includes 120 gallon receiver tank, filter and refrigerated air dryer

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L x W x H - In.</td>
<td>Lbs.</td>
</tr>
<tr>
<td>SE-20</td>
<td>76 x 45 x 60</td>
<td>1,754</td>
</tr>
<tr>
<td>SE-25</td>
<td>1,823</td>
<td></td>
</tr>
<tr>
<td>SE-30</td>
<td>1,892</td>
<td></td>
</tr>
</tbody>
</table>

**TECHNICAL DATA**

**EASY TO WORK WITH**

Just as you get personal attention from FS-Curtis when selecting equipment, you’re also supported worldwide by great people. You can count on the global FS-Curtis staff and representatives to listen to your needs and work with you to develop the solution that’s best for your situation. Our people are committed to serving you well and FS-Curtis provides extensive training in the field and at our St. Louis headquarters to ensure that you have the support you need.

In addition, authorized FS-Curtis distributors use genuine FS-Curtis parts, lubricants and filter kits to maximize the service life of your equipment. And with a nationwide network of service centers, you don’t need to worry about added downtime waiting for parts.

**QUALITY PARTS MATTER**

At FS-Curtis, quality is never compromised. That’s why we control production using ISO 9001:2008 and ISO 14001:2004 standards, and it’s also why we maintain a large inventory of replacement parts.

Using only genuine FS-Curtis replacement parts not only helps ensure continued reliable service of your equipment, but the large inventory also helps keep parts affordable and available. We’re dedicated to maximizing your productivity, and that includes maximizing your uptime.

Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be a trusted name serving even more markets through our ever-growing global presence.