VS Series—Rotary Screw Vacuum Systems
5 to 200 HP

VS-10
5-15 HP
VS-12
15 & 20 HP
VS-16
30-50 HP
VS-20
60 & 75 HP
VS-25
75 & 100 HP
VS-32
125-200 HP

FOR NEARLY PERFECT VACUUM AT UNRIVALED EFFICIENCIES.
SULLAIR VACUUM SY PERFORMANCE AND ROTA

Technologically advanced
Sullair’s state-of-the-art VS vacuum pumps deliver the ultimate in smooth, pulse-free operation and dependable, cost-effective performance. They are compact and quiet. Series VS vacuum pumps are built of the highest quality components, to assure the utmost reliability and minimum maintenance expense. Sullair offers more features and options than most vacuum pumps in this size range.

Superior operating efficiency
Sullair vacuum systems use proven rotary screw technology to produce vacuum at unrivaled efficiencies. Because they are air cooled and require no seal water, there are no water acquisition, treatment or disposal costs. As a result, these systems offer lower power costs and up to 50% lower operating costs than other types. The system’s capacity control maintains constant vacuum, which also contributes to lower operating costs.
**Two-year warranty**
Series VS pumps use a single-stage, rotary screw vacuum pump, backed by Sullair’s limited 2-year warranty and feature Sullair’s rugged bearing design: tapered roller or angular contact ball bearings on the discharge end, cylindrical roller or ball bearings on the inlet for high load-carrying capability.

**Duplex Hospital Suction Package**
Designed for hospital applications (HSP) that meets or exceeds (NFP99) Health Care Facilities—VS-10 design.
Complete packaged system
- No additional components to purchase.
- Reduces start-up time and costs.
- Entire package is tested.
- Simplifies installation.
- Built-in full voltage starter.

1 Instrumentation and monitoring
Simplified and reliable electro mechanical panel.
Takes the guesswork out of maintenance.

2 Highly efficient air/fluid separation
Replaceable cartridge-type element.
Reduces fluid carry-over.
Lowers make-up fluid cost.
Reduces labor costs and downtime.
Two-stage separation on 50 hp to 200 hp.

3 Select one of two long-life fluids for factory fill
SRF—One year or 4000 hours.
Sullube—One year or 8000 hours.
Both result in fewer fluid changes.
Both reduce fluid disposal costs, downtime and associated labor costs.

4 Cooling alternatives
Air- or water-cooled models, excluding VS-10 (air-cooled only).
Choose most cost-effective method for your environment.
Eliminates need for costly seal water treatment and disposal.
UM SYSTEMS.
TE PACKAGE.

5 Spin-on fiberglass fluid filter
Aircraft-quality media provides better filtration.
Up to 20% more efficient.
Lengthens life of the vacuum pump.

6 Motor and vacuum pump are flange mounted (VS-10 through VS-20)
5% energy savings over belt drive.
Eliminates maintenance expense associated with V-belts.
Provides positive alignment.
Optimizes bearing life of air end (pump) and motor.

7 Air inlet filter
Protects pump from contamination.
Horizontally mounted.

8 (Air End) “The Pump”
Longer average bearing life, designed for 100,000+ hours of service.

Protective shutdown system
Shuts down machine before major damage occurs.
Increases productivity and equipment life.

Capacity modulation
Matches capacity to demand.
Stabilizes system vacuum.
Minimizes the need for air receiver.
Reduces wear caused by start/stop.

High pressure shutdown switch
Eliminates activating pressure relief device.
Prevents loss of fluid.
The Sullair Vacuum Pump

Time-proven reliability
in rotary screw design from a manufacturer who has specialized technology since 1965. Sullair has the widest range of rotary screw vacuum pumps in the market.

Vacuum pump life is extended.
Controlled pressure lubrication to bearings assures reliable supply to rotating elements.

Proven dependability
can be seen in the more than 150,000 Sullair vacuum pumps and compressors in use around the world.

Lower operating costs
Optimized discharge port matches volume ratio to operating pressure ratio for maximum efficiency and lower operating costs. Axial air inlet lessens pressure drop and avoids preheating inlet air to further reduce operating costs.

The highest level of quality
Vacuum pumps are manufactured in an ISO 9001 certified facility.

Peace of mind
The Sullair vacuum pump is warranted for 2 years. This limited warranty protects you from defects in materials and workmanship. Contact Sullair Corporation or an authorized Sullair distributor for complete warranty information.

Sullair’s air end exchange program
24-hour delivery minimizes downtime and costly repairs. Older models can be upgraded to current design technology.
Sullair Vacuum Pump Fluids

SRF 1/4000... the 4000 hour fluid

The exceptional properties and characteristics of Sullair’s SRF 1/4000 provide these benefits:

- SRF 1/4000 is less volatile than solvent refined fluids, so fluid make-up is reduced.
- Enhanced lubrication properties of SRF 1/4000 provide an excellent environment for rolling element bearings.
- High oxidative stability contributes to SRF 1/4000’s long life.
- High viscosity index for shear stability.
- High temperature stability.
- Low temperature fluidity for cold ambient start-ups means (for most applications) one fluid for year-round operation.

Add these beneficial qualities:

- Excellent anti-wear properties and corrosion protection.
- Excellent demulsifibility.
- Good resistance to foaming.
- Improved cleanliness.

Sullube™... the 8000 hour fluid.

The highest performance fluid, Sullube has proven to be superior to both hydrocarbon oils and other synthetic fluids. It exhibits a number of unique characteristics which provide measurable benefits for end-users:

- High oxidative stability for long life.
- Higher flash point than hydrocarbon fluids.
- The ability to dissolve residual hydrocarbon varnish to clean up old machines.
- Inherently high viscosity index for shear stability.
- Excellent elastomeric seal compatibility.
- Low volatility for low makeup rates.
- High resistance to sludge and varnish formation.
- Higher thermal conductivity than other synthetics.
- Very high hydrolytic stability.
The exceptional properties and characteristics of Sullair’s SRF 1/4000 provide these benefits:

- SRF 1/4000 is less volatile than solvent refined fluids, so fluid make-up is reduced.
- Enhanced lubrication properties of SRF 1/4000 provide an excellent environment for rolling element bearings.
- High oxidative stability contributes to SRF 1/4000’s long life.
- High viscosity index for shear stability.
- High temperature stability.
- Low temperature fluidity for cold ambient start-ups means (for most applications) one fluid for year-round operation.

Add these beneficial qualities:
- Excellent anti-wear properties and corrosion protection.
- Excellent demulsifibility.
- Good resistance to foaming.
- Improved cleanliness.

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APPLICATIONS THROUGHOUT INDUSTRY

(Left) Operators at an aluminum casting manufacturer inspect molding while vacuum is applied.

(Right) A machine operator at a plastics manufacturer removes a thermoformed shipping container for automobile headlights from a rotary vacuum press.

(Left) A plastics manufacturer uses vacuum during the extrusion process to rid PVS pipe of process contaminants.

(Right) This envelope converter at an envelope plant, uses vacuum from the centralized RSVS system for spacing, folding & delivering.

(Left) Furniture manufacturers use vacuum in place of traditional clamping methods to avoid damage.

(Right) A room in the Intensive Care Unit at a Hospital, where vacuum is used for patient care.
GLOBAL PARTS AND SERVICE SUPPORT

Your investment is supported by an experienced team of compressed air system experts. Our global network of authorized Sullair distributors and field service representatives provide responsive, knowledgeable service, including on-site and factory-based technical assistance, to Sullair customers around the world.

Because Sullair believes that using Genuine Sullair Replacement Parts is critical for optimum compressor system performance, we make them available on a global basis. Through Sullinet, our on-line network, distributors can procure Genuine Sullair Replacement Parts for any piece of Sullair equipment in any part of the world, quickly and efficiently.
## Specifications

### Specifications for VS-10 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>10-5</th>
<th>10-7.5</th>
<th>10-10</th>
<th>10-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>5</td>
<td>7.5</td>
<td>10</td>
<td>15</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 66  | 66  | 66  | 66  |
| Width (in)  | 36  | 36  | 36  | 36  |
| Height (in) | 54  | 54  | 54  | 54  |
| Weight (lb) | 640 | 690 | 720 | 720 |

### Specifications for VS-12 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>12-15</th>
<th>12-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>15</td>
<td>20</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 66  | 66  |
| Width (in)  | 36  | 36  |
| Height (in) | 54  | 54  |
| Weight (lb) | 1400| 1400|

### Specifications for VS-16 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>16-30</th>
<th>16-40</th>
<th>16-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 72  | 72  | 72  |
| Width (in)  | 48  | 48  | 48  |
| Height (in) | 62  | 62  | 63  |
| Weight (lb) | 2495| 2625| 3135|

### Specifications for VS-20 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>20-60</th>
<th>20-75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>60</td>
<td>75</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 84  | 84  |
| Width (in)  | 48  | 48  |
| Height (in) | 63  | 63  |
| Weight (lb) | 3820| 3820|

### Specifications for VS-25 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>25-75</th>
<th>25-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>75</td>
<td>100</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 110  | 110 |
| Width (in)  | 72   | 72  |
| Height (in) | 84   | 84  |
| Weight (lb) | 5760 | 6250|

### Specifications for VS-32 60Hz

<table>
<thead>
<tr>
<th>Capacity (acfm)</th>
<th>32-125</th>
<th>32-150</th>
<th>32-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor (hp)</td>
<td>125</td>
<td>150</td>
<td>200</td>
</tr>
</tbody>
</table>

### Dimensions and Weights with Enclosure

| Length (in) | 110  | 110  |
| Width (in)  | 72   | 72   |
| Height (in) | 96   | 96   |
| Weight (lb) | 9450 | 9900 | 10200 |