PRESSURE/VACUUM BLOWER PACKAGES
Meyer Pressure-Vacuum Blower Packages

Features

➊ Power Paks incorporate, name brand, positive displacement lobe blowers.
➋ Premium brand motors
➌ Top of the line silencer/filter components
➍ Relief valves
➎ Rugged, heavy gauge, welded steel plate base
➏ Drive guards for optimum safety
➐ Completely assembled and pre-piped
• Pressures up to 20 PSI - Vacuums to 27” Hg

ENGINEERED PERFORMANCE

The blower package is often the heart of a process system. Failure of a pressure or vacuum package can stop an entire production process. At Meyer we understand the critical nature of this component. We engineer our packages to the highest standard assuring long life and durable performance. Our experienced sales technicians will help specify a package with ample capacity to power your process with our cost effective designs.

Typical Applications

• Pneumatic Conveying
• Aeration/Waste Water Treatment
• Vacuum Hold-Down/Positioning
• Landfill Evacuation
• Combustion
• Gas Boosting
• Dairy Milking
• Air Sparging
• Compost Aeration
• Vacuum Cleaning
• Dust Collection
• Steam Compression
• High-Performance Applications
• Soil Remediation

Just to name a few of the applications and markets Meyer blower packages have served for over 60 years.
Pressure Blower Packages
FEATURES

- Power Paks incorporate positive displacement lobe blowers. Built with precision and time tested quality. Pressures to 15 PSI.
- Lobe blower is horizontally mounted for optimum gear lubrication.
- Ready to operate. All Power Paks are completely assembled and pre-piped to facilitate installation.
- All packages feature premium brand motors and top of the line silencer/filter components, controls and accessories.
- Pre-engineered drive selections deliver the most efficient operation possible without skimping on service factors.
- Sturdy elevated bases are of heavy gauge reinforced steel plate.
- Rugged ventilated drive guards are designed to withstand abuse.

PSS Model Package

- Dependable Positive Displacement Lobe Blower
- Modular Base/Discharge Silencer
- Horizontal Inlet Silencer and Support
- Inlet Filter with Weatherhood
- V-Belt Drive System
- OSHA V-Belt Drive Guard
- Motor and Slide Base
- Interconnecting Fittings
- Pressure Relief Valve
- Suitable for Indoor and Outdoor Installation
- Shipped Completely Assembled

PFS Model Package

- Dependable Positive Displacement Lobe Blower
- Modular Base/Discharge Silencer
- Horizontal Inlet Filter/Silencer with Weatherhood
- V-Belt Drive System
- OSHA V-Belt Drive Guard
- Motor and Slide Base
- Interconnecting Fittings
- Pressure Relief Valve
- Suitable for Indoor and Outdoor Installation
- Shipped Completely Assembled
| PSS | PFS | RPM | 2 cfm | 4 cfm | 5 cfm | 6 cfm | 7 cfm | 9 cfm | 10 cfm | 11 cfm | 12 cfm | 13 cfm | 14 cfm | 15 cfm | HP Range |
|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2MPSS 1.5/2.0 | 2MPFS 1.5/2.0 | 4750 | - | - | - | - | 58 | 55 | 54 | 52 | 51 | - | - | - | 3-7.5 |
| 2LPSS 2.0/2.0 | 2LPFS 2.0/2.0 | 4750 | 144 | 134 | 131 | 127 | 124 | - | - | - | - | - | - | - | 3-7.5 |
| 3HPSS 2.0/2.0 | 3HPFS 2.0/2.0 | 3240 | - | - | - | - | 112 | 108 | 105 | 104 | 102 | 100 | 98 | 96 | 3-15 |
| 3MPSS 2.0/2.0 | 3MPFS 2.0/2.0 | 3240 | - | - | - | - | 153 | 147 | 144 | 142 | 140 | - | - | - | 3-15 |
| 3LPSS 3.0/2.5 | 3LPFS 3.0/2.5 | 3240 | 303 | 289 | 283 | 278 | 273 | - | - | - | - | - | - | - | 5-15 |
| 4HPSS 2.0/2.0 | 4HPFS 2.0/2.0 | 3240 | - | - | - | - | 182 | 176 | 173 | 171 | 169 | 166 | 164 | 162 | 5-20 |
| 4MPSS 3.0/3.0 | 4MPFS 3.0/3.0 | 3240 | - | - | - | - | 316 | 308 | 304 | - | - | - | - | - | 5-20 |
| 4MPSS 3.0/2.5 | 4MPFS 3.0/2.5 | 3240 | - | - | - | - | 316 | 308 | 304 | - | - | - | - | - | 5-20 |
| 4LPSS 4.0/3.0 | 4LPFS 4.0/3.0 | 3240 | 504 | 485 | 477 | 470 | 464 | - | - | - | - | - | - | - | 5-20 |
| 4LPSS 4.0/4.0 | 4LPFS 4.0/4.0 | 3240 | 504 | 485 | 477 | 470 | 464 | - | - | - | - | - | - | - | 7.5-20 |
| 5HPSS 3.0/2.5 | 5HPFS 3.0/2.5 | 2565 | - | - | - | - | 303 | 295 | 292 | 289 | 285 | 282 | 280 | 277 | 15-30 |
| 5MPSS 4.0/3.0 | 5MPFS 4.0/3.0 | 2565 | - | - | - | - | 460 | 449 | 445 | 440 | 436 | 431 | - | - | 20-40 |
| 5MPSS 4.0/4.0 | 5MPFS 4.0/4.0 | 2565 | - | - | - | - | 460 | 449 | 445 | 440 | 436 | 431 | - | - | 20-40 |
| 5LPSS 5.0/4.0 | 5LPFS 5.0/4.0 | 2565 | 853 | 809 | 799 | 789 | 781 | - | - | - | - | - | - | - | 20-40 |
| 6HPSS 4.0/3.0 | 6HPFS 4.0/3.0 | 2115 | - | - | - | - | 401 | 391 | 386 | 381 | 377 | 372 | 368 | 364 | 20-40 |
| 6MPSS 5.0/4.0 | 6MPFS 5.0/4.0 | 2115 | - | - | - | - | 692 | 676 | 669 | 662 | 656 | 649 | 643 | - | 30-60 |
| 6MPSS 5.0/5.0 | 6MPFS 5.0/5.0 | 2115 | - | - | - | - | 692 | 676 | 669 | 662 | 656 | 649 | 643 | - | 30-60 |
| 6LPSS 6.0/6.0 | 6LPFS 6.0/6.0 | 2115 | 1416 | 1373 | 1356 | 1341 | 1326 | - | - | - | - | - | - | - | 25-50 |
| 7HPSS 5.0/4.0 | 7HPFS 5.0/4.0 | 1845 | - | - | - | - | 579 | 566 | 560 | 554 | 548 | 543 | 538 | 533 | 25-50 |
| 7MPSS 6.0/6.0 | 7MPFS 6.0/6.0 | 1845 | - | - | - | - | 1186 | 1163 | 1153 | - | - | - | - | - | 40-75 |
| 7LPSS 8.0/6.0 | 7LPFS 8.0/6.0 | 1845 | 2085 | 2032 | 2010 | 1991 | - | - | - | - | - | - | - | - | 40-75 |
# Specifications

## PSS Model Package

![PSS Model Package Diagram](image)

## PFS Model Package

![PFS Model Package Diagram](image)

### Dimensions

<table>
<thead>
<tr>
<th>Discharge Pipe Size</th>
<th>Model PSS/PFS</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
<th>Approx. Max. Net Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2M,2L,3H,3M,4H</td>
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<td>98</td>
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</tbody>
</table>

Maximum dimension shown in inches. For exact system dimensions and weight contact your Wm. W. Meyer & Sons representative.

### System Identification

**Blower Model**

```
2 M P S S
```

**Inlet Silencer Connection, Inches**

```
1.5 / 2.0
```

**Discharge Silencer Connection, Inches**

**S= Pressure**

**S= Inlet Silencer with Separate Inlet Filter**

**F= Integral Inlet Filter/Silencer**

**S= Discharge Silencer**

Performance data for air at standard conditions: Sea level 14.7 PSIA, 29.92 °Hg, 68°F Inlet temperature, 36% relative humidity, 0.3 psi pressure drop per inlet/discharge silencer.

For applications with gases other than air, or at non-standard conditions, contact your Meyer representative.
MEYER | Vacuum Blower Packages
VDS Model Package

FEATURES

• Dependable positive displacement lobe vacuum pump
• Modular Base/Discharge Silencer
• V-Belt Drive System
• OSHA V-Belt Drive Guard
• Motor Slide Base
• Interconnecting Fittings
• Vacuum Relief Valve
• Suitable for Indoor and Outdoor Installation
• Shipped Completely Assembled
## Vacuum Blower Packages

<table>
<thead>
<tr>
<th>VDS</th>
<th>RPM</th>
<th>2 cfm</th>
<th>4 cfm</th>
<th>6 cfm</th>
<th>8 cfm</th>
<th>10 cfm</th>
<th>12 cfm</th>
<th>14 cfm</th>
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<th>HP Range</th>
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<td>6LVDS 6.0</td>
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<td>1411</td>
<td>1382</td>
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<td>1326</td>
<td>1296</td>
<td>1265</td>
<td>-</td>
<td>20-50</td>
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<tr>
<td>7HVDS 5.0</td>
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<td>-</td>
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<td>Consult Factory</td>
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</table>
### VDS Model Package

Maximum dimension shown in inches. For exact system dimensions and weight contact your Wm. W. Meyer & Sons representative.

### System Identification

**Vacuum Pump Model**

**Discharge Silencer Connection, Inches**

Performance data for air at standard conditions: Sea level 14.7 PSIA, 29.92 "Hg, 68° F Inlet temperature, 36% relative humidity, 0.3 psi pressure drop per inlet/discharge silencer. For applications with gases other than air, or at non-standard conditions, contact your Meyer representative.

#### DIMENSIONS

<table>
<thead>
<tr>
<th>Discharge Pipe Size</th>
<th>Model VDS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Approx. Max. Net Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2M,2L,3H</td>
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<td>23</td>
<td>36</td>
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<td>2 1/2&quot;</td>
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<td>6L,7M</td>
<td>66</td>
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<td>73</td>
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</tr>
</tbody>
</table>
Meyer customer engineered packages provide a unique solution

- Large volume units to 32,000 cfm
- High vacuum units to 27” Hg
- High pressure units to 20 PSI
- Custom bases
- Special stainless construction
- Special airflow designs
- Temperature, pressure and vibration switches
- Pre-assembly and wiring
- Large motor designs
- V-belt, jack shaft, gear box and direct drive

Stainless Gas Tight Design

Duplex Blower Package with Custom Piping

Structural steel base package for 100 HP, DuroFlow blower
Custom Engineered Packages

200 HP Cycloblower packages with blower internals with Corrguard “corrosion” resistant coating.

300 HP Cycloblower package with jack shaft v-belt drive

Fully assembled 300 HP Sutorbilt blower packages with special paint.

250 HP Cycloblower direct drive package
500 HP Gearbox Drive Cycloblower Package

Pre-wired and piped blower control package for differential pressure, temperature and discharge pressure.

Special filter gauge restriction package
Custom Engineered Packages

Cycloblower Package, provided with special guards, viewing windows and oil bleed valves

250 HP Cycloblower Package with special ductile iron drive

Kaiser 300 HP low headroom pre-assembled package
Custom pre-assembly

Special piping with dual filtration

Sound enclosure for (3) 200 HP packages

Silencers and components prepared for long-term storage
In addition to Blower Packages, Meyer designs, engineers and manufactures a wide variety of other products designed specifically for bulk processing applications. Like our blower packages, these products are designed and built to withstand the rigors of demanding applications. The next time you are in the market to repair, replace or upgrade your process system components, give us a call. We manufacture all the key components for pneumatic conveying, process metering and dust control.

SYSTEM COMPONENTS

- Pneumatic Screw Pumps
- Double-Flapgate Airlocks
- Line Diverter Valves
- Swing Gates
- Slide Gates
- Double Clam Shell Gates
- Rotary Plug Valves
- Knife Gates
- Gravity Flow Diverter Valves
Since 1946, Wm. W. Meyer & Sons has been delivering quick, conscientious service and superior craftsmanship on replacement parts to customers throughout the country. We understand the costs of downtime, and make it our highest priority to help you keep your plant running trouble-free. Our on-site preventative maintenance programs, responsive repair services and quick-ship replacement parts capabilities help us deliver the extra value customers need in today’s competitive marketplace.

In addition to maintaining and repairing our own Pneumatic Screw Pumps, we also provide expert repair services on other manufacturers’ products.

WE OFFER REPAIR SERVICES ON THESE AND OTHER SYSTEM COMPONENTS:

- Rotary Airlocks
- Double-Flapgates
- Diverters
- Slide Gates
- Grinders
- Compressors
- Pumps
- Blowers

Many times, repairs can be done right on the spot to minimize production disruption and speed startup. However, when it is impractical to repair a unit on site it will be shipped to our repair facility for immediate attention. It will be torn down, carefully inspected and restored to like-new condition, including a return to the original tolerances.

COMPREHENSIVE EVALUATION ON EVERY UNIT:

- Complete disassembly
- Inspection of each component
- Comparison to original manufacturers’ specs and tolerances
- Repair or replacement of worn or damaged component parts
- Genuine OEM Parts
- Re-assembly
- Final Testing
- Service Warranty

If your equipment is beyond repair or it is not economical to repair it, Meyer will give you the option of choosing between a new or re-manufactured piece of equipment from available stock.