Technical Specifications

The SPD Vacuum Pumps allow for the conveying of free-flowing pelletized plastic materials and regrind using vacuum receivers integrated into a central conveying system. SPD pumps are designed for 24 hour, continuous operation and are recommended for most conveying applications. Sterling is able to provide several types of ultra-compact vacuum power units to suit your conveying needs.

The SPD Series uses a high efficiency, positive-displacement vacuum pump and can be utilized to convey pellets and regrind over long distances up to 500 equivalent feet.

SPDB vacuum pumps have the same features as the SPD but include an exclusive non-reversing air valve system to reverse air flow and clean the pump filter.

Features

Standard Features
- Ultra compact design
- Positive displacement vacuum pump
- High efficiency blower design
- Atmospheric relief valve
- Vacuum gauge on pump for visual indication of system performance
- 230/4/60 or 460/3/60 totally enclosed (TEFC) motor
- ROOTSTM WHISPAIRTM blower design
- Integral discharge silencer
- Non-reversing air valve (SPDB models only)
- High vacuum safety switch
- Mechanical high vacuum relief valve for ensured safe operation
- NEMA 12 junction box with disconnect, starter, and overload mounted on the unit

Optional Features
- Sound enclosure
- Secondary silencer
- Purging capability
- Closed loop conveying valve
- Optional Special voltage:
  - 220/3/50
  - 380-415/3/50
  - 208/3/60
  - 575/3/60
The SPD sound enclosure can be used with Sterling’s SPD Series vacuum pump. The two thirds/one third clamshell design clamps easily around the pump, providing a minimum of 15+ dba sound reduction.

- 13-gauge diamond-plate aluminum construction
- Two-thirds/one-third clamshell design with latching clamps
- 2.75 flat foam, fire-retardant, high-temperature, oil-resistant insulation
- Resistant to heat and oils
- Baffled air inlet assures maximum attenuation
- Design allows for all-weather installation
- Easy Installation. Unit ships fully assembled. Light enough to be lifted over package for installation.
- Easy access for pump service
- Dimensions: 30 L x 40 W x 43 H (96 cm x 102 cm x 109 cm)

### Specifications

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<tr>
<th>Models</th>
<th>Air Flow</th>
<th>460V Power Unit</th>
<th>Vacuum Line Size</th>
<th>Material Line Size</th>
<th>Recommended Vacuum Lines</th>
<th>Full Load Amps</th>
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<tbody>
<tr>
<td></td>
<td>cfm</td>
<td>cmh</td>
<td>HP</td>
<td>kW</td>
<td>In., OD</td>
<td>cu.ft</td>
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<td>SPD(B) 5</td>
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<td>203</td>
<td>5</td>
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<td>263</td>
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<td>5.6</td>
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<td>0.8, 1.6</td>
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<td>1.6, 3, 6</td>
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<td>15</td>
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Maximum recommended conveying distance: 500 equivalent feet