Technical Specifications

SVL loaders are designed to provide trouble-free conveying using compressed air. These highly efficient, self-contained loaders use compressed air and an efficient venturi to draw material from drums, bins, material bags, or gaylords. The material is drawn through the venturi under vacuum and then conveys into the receiver using pressurized air. The material is separated from the air stream and is deposited into the bin or process machine. An efficient filtering system is used to capture material fines before air is exhausted into the plant. A simple control assembly is easy to operate and makes this loader a good choice for many single loading material conveying applications. Multiple configurations are available to support a wide range of applications.

Features

Standard Features
- 1-1/4" standard vinyl flexible hose
- Two hose clamps for 1-1/4" vinyl flex hose
- 3/8" poly hose air line
- Noise dbA <75

SVL-A and SVL-B Series
- Receiving hopper for material, standard flange with quick release fasteners
- Control assembly with low power consumption solenoid – 115/1/50-60 Hz
- Air filter/regulator combination with pressure gauge
- Capacitive sensor for material demand with 16.4 foot (5 meter) quick disconnect cable to control venturi/wand assembly with quick connect air line fittings

SVL-C
- Second venturi/wand assembly with quick connect air line fittings
- 1-1/4" O.D. wye-tube with coupler to attach to material inlet on receiving hopper
- Additional control assembly for second venturi assembly including air regulator with pressure gauges

SVL-D Series
- Drum fill evacuation system
- Mobile drum stand on casters (two locking/two swivel) with adjustable arm and filtered 22" dia. drum cover
- Control assembly with low power consumption solenoid – 115/1/50-60Hz
- Capacitive sensor for material demand (inside drum) with 16.4 ft (5 meter) quick disconnect cable venturi/wand assembly with quick connect air fittings
- 1-1/4" standard vinyl flexible hose
- Two hose clamps for 1-1/4" vinyl flex hose
- 3/8" poly hose air line

Optional Features
- Direct mount flange (with remote mount level sensor)
- Bin mount flange adapter with SRC 02-16 bolt circle (level sensor mounted to flange)
- Sight glass assembly for machine mount of SVL loader with sensor mounted to glass assembly with a capacity of 0.005 cubic feet (.140 liters) and 0.20 lbs. (91 grams)
- Torpedo magnet for sight glass assembly
- Dust bag kit with tube in lieu of standard filter for dusty regrinds (not available for SVL-A loaders)
- Universal adapter for grinder take-off attachment to fit up to 2" O.D. Material line connection (slips over existing tube stub)
- 230/1/50-60 voltage
SVL-A

Retractable Screw, 1/4-20 (2) Places, 180 Deg. Apart
0.43 Dia. Thru Hole (4) Places, 90 Deg. Apart

2.375" Dia. (2.50" Dia. Cutout Required)

Direct Mount
Customer is Required to Mount Proximity Sensor

0.31" Dia. Thru Hole (6) Places, Evenly Spaced

Filtered Vent

SVL-B

Hopper Mounted

SVL-C

Sight Glass Mounted

Pick-up Wand
SVL SERIES

Product Diagrams

SVL-B

Direct Mount
Customer is Required to Mount Proximity Sensor

Hopper Mounted

Sight Glass Mounted

Pick-Up Wand

If a second component is added a 1/2" Dia. hole is required for the second proximity switch

Retractable Screw, 1/4-20 (2) Places, 180 Deg. Apart

0.43 Dia. Thru Hole (4) Places, 90 Deg. Apart

0.31" Dia. Thru Hole (6) Places, Evenly Spaced

Filtered Vent

0.28" Dia. Thru Hole (4) Places

Coupler

Take-Off Wand

2.75" Dia. (3.50" Dia. Cutout Required)

2.12" Dia. (2.25" Dia. Cutout Required)

0.28" Dia. Thru Hole

1.25 Dia. Thru Hole

2.50 Sq ft

4.00 Sq ft

12.00 Cutout Required

20.40

36.29

2.50 Sq ft

4.00 Sq ft

12.00 Cutout Required

20.40

36.29

Direct Mount
Customer is Required to Mount Proximity Sensor

Hopper Mounted

Sight Glass Mounted

Pick-Up Wand
SVL SERIES

Product Diagrams

SVL-C

Direct Mount
Customer is Required to Mount Proximity Sensor

Retractable Screw, 1/4-20 (2) Places, 180 Deg. Apart
0.43 Dia. Thru Hole (4) Places, 90 Deg. Apart

Filtered Vent

0.31" Dia. Thru Hole (6) Places, Evenly Spaced

Sight Glass Mounted

0.28" Dia. Thru Hole (4) Places
2.12" Dia. (2.25" Dia. Cutout Required)

Hopper Mounted

Dual Proximity Switches (one) For Each Component

Coupler

0.675 Dia.

(3.50" Dia. Cutout Required)

Take-Off Wand

0.375 Dia.

(16.31)

Pick-Up Wand

2.50 Sq

4.00 Sq

2.75" Dia.

(3.50" Dia. Cutout Required)
Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Throughput, lbs./hr (kg/hr)</th>
<th>Max. Conveying distance, ft. (m)</th>
<th>Compressed Air Supply, PSI (bar)</th>
<th>Compressed Air Consumption, scfm (l/min)</th>
<th>Vacuum Performance, H₂O (kPa)</th>
<th>Typical Comp. Air Consumption, scfm (l/min) psig (bar)</th>
<th>Max. Product Temp., F (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVL-A</td>
<td>475 (215)</td>
<td>Horizontal - 30 (9.14)</td>
<td>70-90 (5-6)</td>
<td>25.9 (733) (Based on 100% continuous use)</td>
<td>-42” (-11)</td>
<td>8-10 scfm (227-283 l/min) @ 80 psig (6 bar) based on 30% duty cycle for intermittent use</td>
<td>176 (80)</td>
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<tr>
<td>SVL-B</td>
<td></td>
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<tr>
<td>SVL-C</td>
<td></td>
<td>Vertical - 12 (3.7)</td>
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<tr>
<td>SVL-D</td>
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Drum Filter Cover

1-1/4” Connection

Back Two Casters Swivel and Lock

Front Casters Fixed

Maximum Adjustment

Minimum Adjustment

Drum Not Included