Railcar Unloading
That is Simple and Self-Cleaning

Simple to operate and easy to maintain, the system requires minimal attention and features an easy-to-use control. The self-cleaning feature eliminates typical maintenance while the ground level dust collector and silo-mounted stainless steel receiver provide easy access for filter changes. The VRU is a reliable, low cost and simple solution for your railcar unloading requirements.

Highly Reliable, Low Cost, Simple to Operate

Its reliability is based on simplicity. The VRU uses a vacuum pump to convey material to a silo-mounted receiver. A timed valve on the pump then reverses the air flow to “power unload” the receiver and backwash all filters in the system without stopping the pump. Operation is completely automatic, highly efficient and fast.

A lower cost alternative to combination vacuum/pressure units, the single pump/dust collector design of the VRU can direct material to as many as 12 silos by just adding receivers, allowing your system to grow with your material conveying needs.

If you need proven, long-life performance for unloading bulk material from distances up to 500 ft (152.4 m) without the investment in a vacuum/pressure unit, put one of Conair’s VRU systems to work for you.

Model VRU, Bulk Vacuum Receiver 4-inch OD

VRU system also includes:
4-Inch Bulk Pump 25 Hp 480/3/60
4-inch Bulk Dust Collector

Reliable, efficient operation
Loads, power unloads and cleans filters automatically with each cycle.

Low cost, versatile
Allows system to grow with your needs.

Simple to operate; easy to maintain
Requires minimal attention and maintenance.

Turn-key operation
The Cycling Loader comes ready to use, equipped with controls, interconnecting hose, piping and valves.

System Components Include:
- Stainless steel bulk receiver with 7 ft³ capacity
- Vacuum pump assembly with air reversal valve
- Dust collector
- System control: Standard model monitors up to 4 silos; optional model up to 6 silos
- Railcar unloading tube kit
- 10 ft (3.04 m) and 20 ft (6.09 m) flex hoses with quick couplers; available in stainless steel as an option
- Railcar hatch filter
**How it Works**

**Vacuum cycle to load material**

**Pressure cycle to power unload and clean filter**

**Specifications**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Control</th>
<th>Receiver</th>
<th>Pump</th>
<th>Dust Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>25 (635)</td>
<td>45 (1143)</td>
<td>52 (1321)</td>
<td>67 (1702)</td>
</tr>
<tr>
<td>Width</td>
<td>25 (635)</td>
<td>28 (711)</td>
<td>37 (940)</td>
<td>23 (584)</td>
</tr>
<tr>
<td>Depth</td>
<td>8 (203)</td>
<td>28 (711)</td>
<td>62 (1575)</td>
<td>19 (483)</td>
</tr>
<tr>
<td>Weight  lb (kg)</td>
<td>100 (45)</td>
<td>145 (66)</td>
<td>720 (327)</td>
<td>180 (82)</td>
</tr>
</tbody>
</table>

**Model**

**Motor Hp**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>240</th>
<th>30</th>
<th>40</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>480</td>
<td>15</td>
<td>20</td>
<td>30</td>
</tr>
</tbody>
</table>

Power is connected to the main control enclosure. Cable must be provided to connect the pump motor to the control.

**Compressed air requirement**

1/4 inch NPT to Air Reversal Valve on Vacuum Pump - 60 psi @ 1 CFM

Conair offers a complete line of bulk conveying systems for rates up to 50,000 lb/hr (22,679.6 kg/hr) and distances up to 1,000 ft. (304.8 m) Conair’s engineers will evaluate your requirements and offer the system solution that best fits your needs.

**Specification Notes**

* In pounds per hour, rates are approximate. Contact a Conair Representative for guaranteed rates for your application.

Specifications may change without notice. Consult with a Conair representative for the most current information.