A new standard in vacuum conveying pumps

Functionality and design, the VP Series Pumps offer the convenience of three products in one compact portable unit.

www.sterlco.com
Vacuum Sequence Valves
Can be installed with vacuum receiver or inside the VP Pump cabinet.

Multiple Pump Sizes
From long to short distances, as well as high to low throughput rate - VP Series meets the needs of your conveying system.

Station Controller Options
Single, four and nine station controller options for vacuum receivers to meet your application requirements.

Material Filtering
Multiple filter options range from clean, non-dusty materials to the dustiest of regrind materials.

Open or Closed Loop
VP Series can be configured to operate in both open or closed loop conveying systems.

Remote Proportion Valves
Can be added easily to introduce up to two materials into your process.

VP Series Pumps:
Flexible Options for Your Shop Floor
The portable vacuum pump system that allows you the flexibility you need on a daily basis. VP Series Pumps can be used to satisfy both temporary and permanent conveying needs.
Portable and compact with flexibility to meet future needs

The VP Series sets itself apart from the competition with an ultra-compact design that is easy to move, operate, and maintain.

For maximum flexibility, the VP Series is available as a single receiver pump or as many as nine receivers. To meet short, medium and long conveying distances, models are available with 1.0 to 11.5 HP (0.75 to 8.6 kW) capability.

VP pumps are designed to convey a variety of materials from clean pellets to dusty regrind.

In addition, VP Series Pumps can be configured to work within any new or existing material handling equipment. Each pump is prewired for future expansion with the Quick Connect Distribution.

Reliable and versatile pump technology to meet the needs of today's complex processes.

1. **Space Saving** – Reduced footprint when compared to traditional pump and filter assemblies.

2. **Innovative** – Combines three traditionally separate products (pump, filter, and control) into one unit.

3. **Ease of Use** – Simple control navigation and no tool maintenance. Easy access to the filter with no tools needed.

**Tech Tip:** Access the filter on the back of the machine for cleaning with no tools by removing wing-nuts.

Applications

This series of vacuum pumps can be used in any application that requires reliable transfer of plastic pellets and regrind. Typical applications include, but are not limited to, the following:

- Injection molding
- Blow molding
- Regrind/Recycling
- Extrusion
- Thermoforming
- Roto-molding

VP SERIES PUMPS | [www.sterlco.com](http://www.sterlco.com)
Compact and Flexible

The VPS Vacuum Pump is one of the most compact and most flexible vacuum pumps in the industry.

With an enclosure that includes the vacuum pump, a filter, and a conveying control, the VPS Vacuum Pump offers anyone the ability to have a portable system that can do the work of multiple self-contained loaders. By simply running one vacuum line and a few wires, you can have the vacuum pump up and running in no time.

With the integrated quick connection distribution block, wiring the vacuum receivers and sequence valves is as easy as plug and play.

Each VPS Vacuum Pump comes standard with compressed air filter cleaning, ensuring that the filter is as clean as possible and that your conveying system remains as efficient as the day it was first installed.

Designed for: The VPS Vacuum Pump is designed for users who have a need to convey small to medium throughput rates at shorter distances to multiple locations. The VPS Vacuum Pump is an excellent pump for conveying materials to a machine mounted blender or even a nearby floor mounted blender and then to your process machine.
Intelligent, Built-In Valve Design

The VPL Vacuum Pump offers the ability to go to a larger pump and achieve higher rates at longer distances.

The main advantage of the VPL Vacuum Pump is the vacuum sequence valves are now located in the cabinet of the vacuum pump. This results in fewer wires required to operate the vacuum receivers.

The VPL Vacuum Pump is also an excellent option for conveying materials to a machine mounted or floor-mounted blender and then to your process machines. VPL Vacuum Pumps are available with a wider variety of pump options to help you reach higher rates of throughput.

Nearly all VPL Vacuum Pumps come standard with compressed air filter cleaning, ensuring that the filter is as clean as possible and that your conveying system remains as efficient as the day it was first installed.

Designed for: The VPL Vacuum Pump is ideal for small to medium conveying rates. With its wide variety of pump options, it is built for longer distances and higher throughput rates to meet today’s production needs and future expansion.
The VPR Vacuum Pump is the most robust model in the VP Series, offering the ability to go to a larger pump (11.5 HP) to achieve higher throughput rates over longer distances.

The VPR Vacuum Pump moves the vacuum sequence valves from inside the vacuum pump cabinet (as in the VPL Vacuum Pump) and relocates the sequence valves closer to the vacuum receivers as part of the vacuum line.

In addition, the vacuum sequence valve can be wired to an Sterling supplied vacuum receiver and then a common cable can be run to the vacuum pump, making installation easy and fast so you are up and running in no time.

With the integrated quick connection distribution block, wiring the vacuum receivers and sequence valves is as easy as plug and play.

Each VPR Vacuum Pump comes standard with compressed air filter cleaning, ensuring that the filter is as clean as possible and that your conveying system remains as efficient as the day it was first installed.

Designed for: The VPR Vacuum Pump is ideal for conveying a wide range of materials, including: clean pellets, dusty regrind, and hard-to-flow materials. The VPR Vacuum Pump can operate up to 9 receivers. The range of pump options and the Quick Connection Distribution Block make this pump the most versatile pump to meet your processing needs.
## Specifications

### VPS Vacuum Pumps

<table>
<thead>
<tr>
<th>Model</th>
<th>HP, kW</th>
<th>Vacuum Line inches (cm)</th>
<th>Material Line inches (cm)</th>
<th>Control Voltage</th>
<th>Dimensions in Inches (CM)</th>
<th>Throughput (lb/hr) @ 60 Hz</th>
<th>Shipping Wt. Lbs (Kg)</th>
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<td>13 (33)</td>
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*Note: Rates shown are based on free flowing, clean virgin pellets at 35 lb/cu ft conveying in a multiple receiver system. Consult factory for actual rates.

*Note: Rates are shown for 60 Hz motors, for 50Hz systems, derate by 17%.

*Note: There are many models and many possible combinations available. Please consult your sales representative for additional options. Weights and dimensions may vary.

### Optional Features

- **Multiple station conveying controls**  
  Control multiple units from a single convenient location.

- **Increased pump sizes**  
  For applications that require additional power, VP Series pumps can be specified to a higher HP/kW rating.

- **50/60 Hz operation**  
  Integrate perfectly into your existing electrical framework with a 50 or 60 Hz specification.

- **Teflon® coated filter**  
  Durable Teflon® coated filters ensure maximum filtration performance.
Get More From Your Production Floor

Count on Sterling to bring you all the technologies you need to advance uptime, energy efficiency and performance in your operation. Turn to our technical support team to evaluate your expected system loads and load characteristics, energy and climate-related issues as well as incorporating new equipment with plastics industry equipment you already own.

Sterling History

Sterling has been an innovator in the industry for over 100 years. Mold temperature control units continue to be called “Sterlcos” because when you bring such an important product to market, the name sticks. Sterling brings a reputation of quality and unmatched reliability. As the industry leader, Sterling provides the largest line of process heating and cooling TCU’s, chillers, and cooling systems. Sterling supplies innovative solutions to a wide range of process industries, and has grown to be a leader in blending, drying, conveying, and size reduction equipment.

Aftermarket Service & Support

Sterling has a service network across the United States and in several key international locations. We are focused on having the right people and products in the right places to keep our customers running efficiently. Whether you need On-Site Service, Technical Support & Training, Parts Support or even Product Repair & Refurbishment, we have you covered. Contact our team today for all of your aftermarket needs at 262-641-8600 or service@acscorporate.com.

About ACS Group

The ACS Group designs, manufactures, markets and supports one of the most comprehensive lines of auxiliary products for the plastics processing industry. Over the years, ACS Group has grown both organically through technical innovation and through acquisition. ACS Group offers an expansive product line, which includes size reduction equipment (granulators and shredders), material conveying equipment, metering and blending devices, heat exchangers (mold temperature controls units and chillers), drying systems, and hydraulic presses.