VacTrac® Plus Series
Conveying Control System

Technical Specifications
Vacuum conveying has never been as simple or versatile than with Sterling’s VacTrac® Plus Controller. Sterling has succeeded in creating the most flexible and reliable discrete wired conveying controller on the market. The VacTrac® Plus provides ultra-flexible configurations with a seamless upgrade path. The number of pumps and receiver stations is customizable to fit processors’ changing needs. If a plant expands, adding on more lines or reconfigures their operation, they can use the VacTrac® Plus controller without having to purchase a completely new system.

VacTrac® Plus can be upgraded by simply adding the required I/O modules and new software. Installation is made easy with a simple control setup that is swift and intuitive, bringing your system up and running faster than ever.

Features

Standard Features
- Allen Bradley Micro850® PLC
- High resolution 7” color touchscreen
- Customer assignable inputs and outputs - configurable pump and station combinations
- Built in VNC server allows remote hosting of the HMI (Requires network connection)
- Volume Fill or Time Fill Operation
- Automatic pump shutdown
- Filter blowback capabilities - including implosion style pump filters
- “No Convey” Alarm - Alerts a possible material line clog or empty material bin
- Pump oil change meter
- 115/1/60 Supply Voltage
- 24 VDC Control Voltage

Optional Features
- Panel mounted audible/visual alarm
- Remote mounted audible/visual alarm
- Ethernet switch for Ethernet communication
- cULus Listed Control Assembly with Serialized Label
- Additional remote HMI
- 230/1/60 Supply Voltage

*VTC 1/1 and VTC 1/5 Models do not include all standard options as listed. Contact your sales representative for more details.
### Advanced Controller

#### Robust, Easy-to-use Touch Screen.

#### System Setup
Easily configure the system to meet your needs.

#### Status Screens
Provide real time monitoring of the full system with visual representations of all pumps & stations.

Color coded status indicators quickly identify current state of each pump and station, from ready and conveying, to in-demand, idle, disabled, or alarmed.

### Outline Diagram

- Advanced Controller
- Status Screens
- System Setup

### Specifications

<table>
<thead>
<tr>
<th>Model*</th>
<th>Minimum Pump Configuration</th>
<th>Maximum Pump Configuration</th>
<th>Height in. (mm)</th>
<th>Width in. (mm)</th>
<th>Depth in. (mm)</th>
<th>Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTC 1/1(1)</td>
<td>1 Pump / 1 Station</td>
<td>1 Pump / 5 Stations</td>
<td>10 (254)</td>
<td>16 (406)</td>
<td>6 (152)</td>
<td>12 (5.4)</td>
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<tr>
<td>VTC 1/5</td>
<td>1 Pump / 5 Stations</td>
<td>4 Pumps / 5 Stations</td>
<td>16 (406)</td>
<td>24 (610)</td>
<td>8.8 (224)</td>
<td>65 (29.5)</td>
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<tr>
<td>VTC Plus2</td>
<td>1 Pump / 28 Stations</td>
<td>12 Pumps / 13 Stations</td>
<td>24 (610)</td>
<td>24 (610)</td>
<td>8.8 (224)</td>
<td>69 (31.3)</td>
</tr>
<tr>
<td>VTC Plus3</td>
<td>1 Pump / 44 Stations</td>
<td>12 Pumps / 13 Stations</td>
<td>24 (610)</td>
<td>24 (610)</td>
<td>8.8 (224)</td>
<td>73 (33.1)</td>
</tr>
</tbody>
</table>

*VTC 1/1 and VTC 1/5 Models do not include all standard options as listed on front page. Contact your sales representative for more details.

(1) Solid Station Control Board - No Display, DIP Switch Settings. VTC 1/1 cannot control blowback output. Do not use for APDB or VTPB style vacuum pumps.

(2) Mitsubishi Programmable Relay Controller, Number Display on Panel.

### System Flexibility & Seamless Upgrade Path

One of the primary benefits of the Sterling VacTrac® Plus Series is the sheer customization, as the number of pumps and receiver stations is configurable to meet changing factory needs.

The VacTrac® Plus allows users to purchase the control system required now with the knowledge that future expansion is not only possible, but simple and easily implemented.