

# EMV Variable Speed Drive for Vacuum Power Units

Process Control's EMV variable speed drive for our VF Series Vacuum Pump has the ability to slow down or speed up the pump to match the conveying requirements for each vacuum receiver station. By controlling the speed, not only does the drive allow the user to save energy, but it helps keep the material undamaged during the conveying process. The conveying speeds are easily controlled through PCC's Director™ Sequencing Panel.

The VSD can be included on new systems or as a retrofit to an existing system.

## Features

- ◆ The ideal conveying velocity can be established for each material run
- ◆ Greatly reduced material degradation, which can result in fines and angel hair production
- ◆ Lower vacuum pump speeds means energy reductions of up to 45%
- ◆ Offers the ability to mix and match conveying tube line size, reducing installed cost by 20%
- ◆ Used for either in-plant systems or for bulk unloading of trucks or railcars



VF Series Vacuum Pump

| ?                   |        | RECEIVER CONFIG    | SYSTEM CONFIG | PANEL CONFIG |
|---------------------|--------|--------------------|---------------|--------------|
| FILL TIME (SECONDS) | 1      | PUMP SPEED (%) 0.0 | RESET         |              |
| DUMP TIME (SECONDS) | 1      | RECEIVER           |               |              |
| AUTOMATIC FILL TIME | OFF ON | OFF ON             |               |              |
|                     |        | <- ->              |               |              |
|                     | OFF ON | CONFIG             | SWITCHES      | STATUS       |

| ?                              |        | RECEIVER CONFIG                   | SYSTEM CONFIG                   | PANEL CONFIG |
|--------------------------------|--------|-----------------------------------|---------------------------------|--------------|
| DUST COLLECTOR OPTION          | OFF ON |                                   |                                 |              |
| CONTINUOUS RUN OPTION          | OFF ON |                                   |                                 |              |
| DUST COLLECTOR TIME (SECONDS)  | 1      |                                   |                                 |              |
| DUST COLLECTOR CYCLE FREQUENCY | 1      | CONTINUOUS RUN PUMP SPEED (%) 0.0 | CONTINUOUS RUN TIME (MINUTES) 1 |              |
|                                | OFF ON | CONFIG                            | SWITCHES                        | STATUS       |

Vacuum Receiver (left) and System (right) configuration screens on Director™ Sequencing Panel to control pump speeds for each station.



**PROCESS CONTROL CORPORATION**

World Headquarters  
6875 Mimms Drive, Atlanta, GA 30340 USA  
Ph 770.449.8810 Fax 770.449.5445

Process Control GmbH  
Birstein, Germany

Ph +19-6051-91 29-0 Fax +19-6051-91 29-99



## PROCESS CONTROL CORPORATION

### HEADQUARTERS

6875 Mimms Drive

Atlanta, GA 30340, USA

P: 770.449.8810

F: 770.449.5445

sales@process-control.com

www.process-control.com

### PCC GmbH

Industriestrasse 15

63633 Birstein, Deutschland

P: (+49) 0 60 54-91 29 0

F: (+49) 0 60 54-91 29 99

process-control@t-online.de

www.processcontrol-gmbh.de

For detailed product information, including specs and dimensions, please request a PCC cut sheet:



For more information about the company and other PCC products, please visit our website:

