

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.



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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:

