



# PROCESS CONTROL

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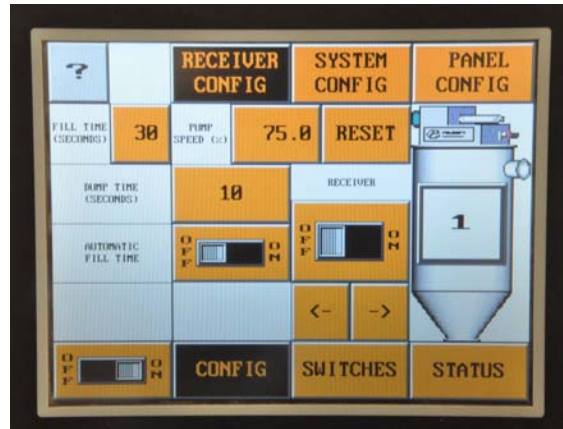
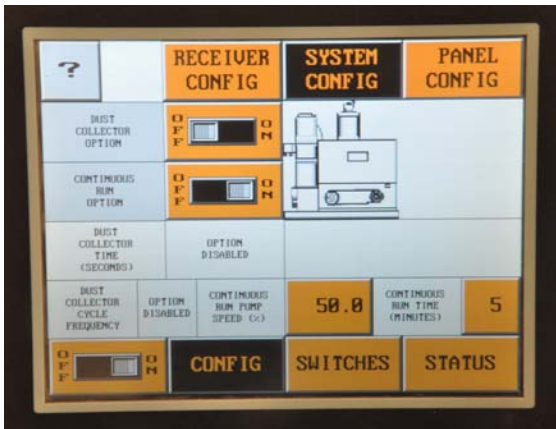
## NOVEMBER 2013

### New Variable Speed Drive for PCC's Vacuum Pumps

Process Control's VFD Series Vacuum Pump is now available with a variable speed drive. The drive 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 pump can also be slowed down during idle time to further save energy. The conveying speeds are easily controlled through PCC's Director Sequencing panel. The VFD can be included on new systems or as a retrofit to an existing system.



Tests in our own lab showed, based on 10HP vacuum pump servicing three blenders, a 35% to 45% total energy savings. This was measured during six, eight hour tests, with the pump running at 100% speed for three hours and then at reduced speed for three hours, optimized for the process requirements for the blenders. The variable speed drive also allows for mixing of conveying line sizes, where the long, intermediate and short runs can have different size tubing. This can result in up to a 20% reduction in tubing and hardware cost for a typical in-plant central conveying system.



Established in 1967, PCC has an unending commitment to the design and engineering of advanced auxiliary machinery for the plastics processing industry. Our goal is to provide the most accurate equipment and exceptional customer service. We revolutionized processing with development of Automatic Scrap Recycling for in-line processing of film scrap and the first continuous gravimetric blending system. Process Control continues to lead the industry with advanced design and innovative solutions for the global marketplace.

Please visit our website at [www.process-control.com](http://www.process-control.com).  
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