

# Micronics Automatic Feed Pump Control System (Part Number: 029065)

## Overview

The Micronics Automatic Feed Pump Control System is used in conjunction with an Air-Operated Diaphragm Feed Pump to automatically control and increase the feed pump pressure during the press filling cycle.

Micronics' Automatic Feed Pump Control System (AFPCS) can be used on both automatic filter press systems and manual presses. The AFPCS is ideally suited to Micronics' range of smaller MSP presses including our 470mm, 630mm, and 800mm filter presses.

The compact Automatic Feed Pump Control System allows your Filter Press to run at its optimal efficiency with even filling of the filter chambers, creating drier filter press cakes and more consistent cake quality, reducing disposal costs, reducing filtration cycle times, and increasing the life of both your feed pumps and filter press cloth.

With Micronics' AFPCS, the press operator is free to focus on other tasks besides adjusting feed pressure.

## AFPCS Features and Functionality

- The system's Feed Pressure Transducer monitors back pressure from the Filter Press
- The Electronic Control Valve communicates with the Feed Pressure Transducer to raise the feed air pressure from the Pressure Regulator as the back pressure increases
- The Pressure Regulator controls the air pressure to the feed pump via the Electronic Control Valve
- Important Safety Feature: A pressure switch monitors the hydraulic clamping pressure and will completely shut off the feed pump, if there is an insufficient hydraulic clamping pressure
- "On-Off" Switch for simple, safe operation and ease of use. The feed cycle may be stopped at any time by turning the selector to the "Off" Position. To resume or restart the feed cycle, you simply turn the selector switch to the "On" position.
- Hardwired interlocks to ensure fail-safe operation



AFPCS Main System



AFPCS Control Box



AFPCS On-Off

**For additional Filter Press Information, options, and pricing, please contact Micronics.**

**Let Micronics be your trusted Single Source for Filter Press Solutions including filter press cloth, plates, parts, field service, and new filter press equipment.**

**Micronics Engineered Filtration Group, Inc.**

1201 Riverfront Parkway  
Chattanooga, TN 37402 USA  
Tel: 423.698.8988

[www.Micronicsinc.com](http://www.Micronicsinc.com)