

Automate your filter press feed cycle with the Single Stage Feed Pump Control System (SSFPC) from M.W. Watermark.

Whether your batch is determined by pressure or by time, the SSFPC can be programmed to automatically shut off your AOD pump and alert you when the stage is complete.

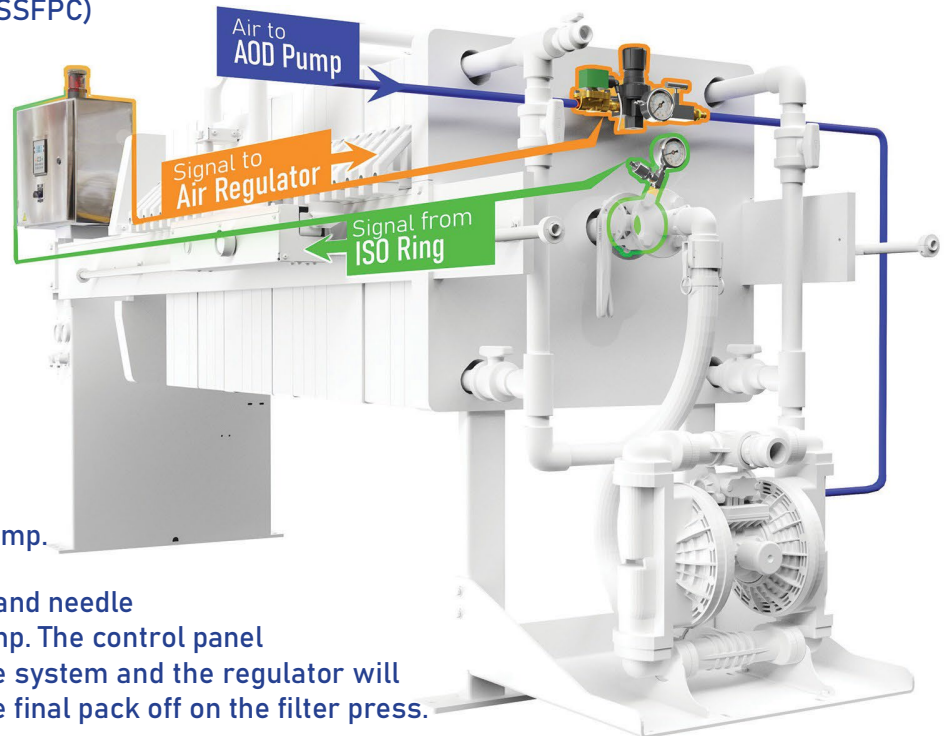
Operation

The SSFPC operates using a single stage air pressure setting. It includes a hydraulic pressure switch interlock requiring the filter press to be closed and clamped before it will operate the feed pump.

The system utilizes a solenoid, regulator, and needle valve combination to operate the AOD pump. The control panel will open the solenoid to provide air to the system and the regulator will provide adequate feed pressure to provide final pack off on the filter press.

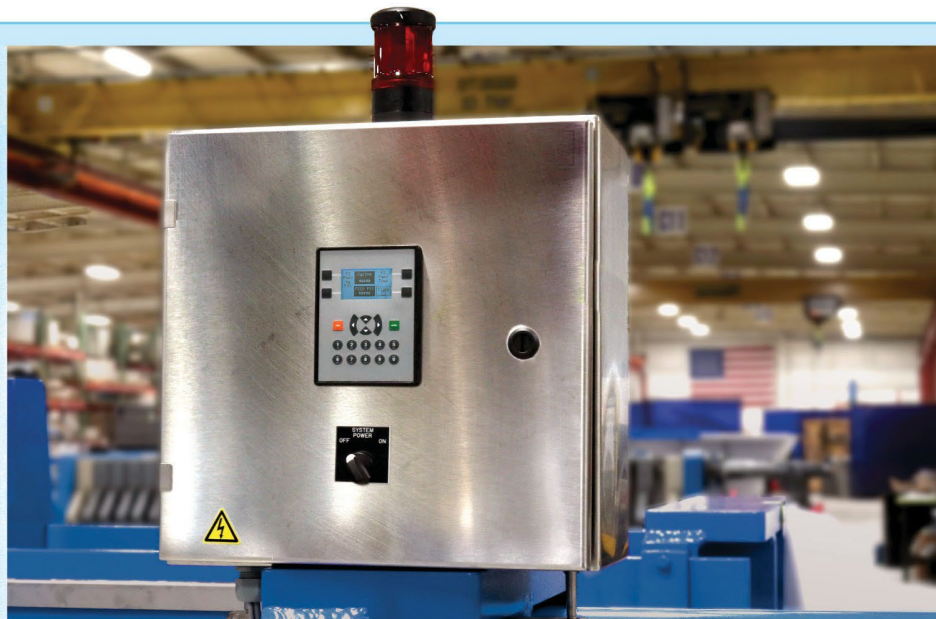
The needle valve is used to slow down the AOD pump on an empty press, this keeps the pump from running wide open at the start of the filtration cycle.

We utilize a pressure isolation ring with a pressure transducer on the feed inlet to detect when we have hit the final pressure setting. Once we achieve this setting, the system shuts off air to the AOD feed pump and the signal beacon lights up indicating the press is full.



Features

- Feed by Pressure or Time
- Auto or Manual Feed
- Fault Detector
- Clamp Indicator
- Cycle Counter
- Adjustable End-of-Cycle Delay
- Cycle Complete Signal Beacon
- Optional on New Filter Presses
- Retrofit on Existing Filter Presses



M.W. Watermark - Equipment and Service for Filtration, Process, and Dewatering Needs