

Russell Filter Management System™

improves your quality and productivity



The Russell Finex Filter Management System™ continually monitors and controls your liquid filter, maximizing performance and reducing costs.

Saves time and labor

- Operator involvement is eliminated from the process of monitoring the filter and opening the oversize discharge valve
- Differential pressure and/or time is continually monitored allowing a timer to automatically open the oversize discharge valve at a specified differential pressure or time interval
- The fully automated system also removes the need to interrupt the flow or your process line

Protects your filter element

- The maximum screen differential pressure indicator and alarm prevent filter element damage
- This allows costs to be lowered further by extending the life of your filter elements

Other benefits

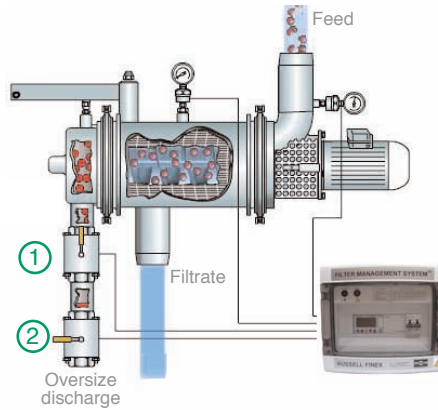
- Minimizes good product wastage and improves cleanliness, making your process more environmentally friendly.
- The Russell Filter Management System™ is PLC based, and provides the option to integrate into your plant system via serial, USB or Bluetooth connectivity.
- A backlit LCD display is included with a simple menu structure, to make setup and use quick and easy.

Increases safety

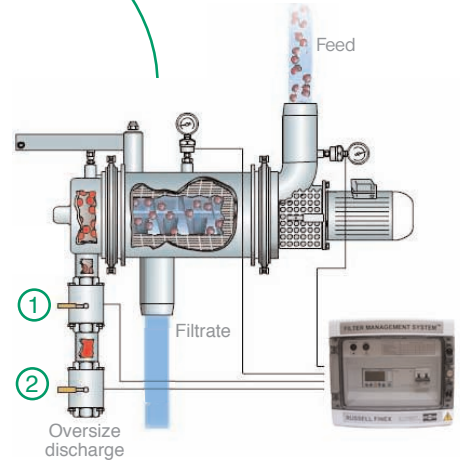
- Eliminates operator involvement from the process and reduces exposure to potentially harmful products and materials
- Lowers the oversize outlet pressure allowing waste to be collected more cleanly therefore, reducing the mess from surrounding area and improving health and safety further

Twin-valve system for added safety and cost savings

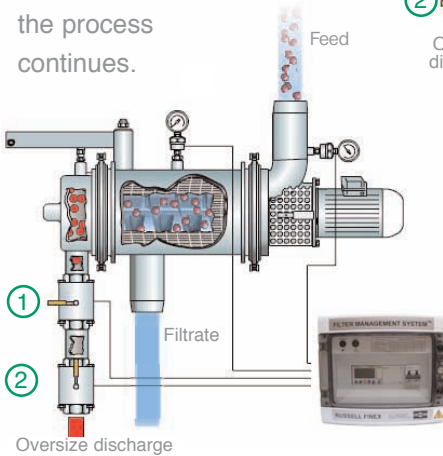
1) During normal running **Valve 1** is open while **Valve 2** is closed, allowing oversize material to be collected in the downpipe.



2) As differential pressure reaches a pre-determined level, or after a specified time interval, **Valve 1** closes, eliminating line pressure from down pipe.



3) **Valve 2** is opened, allowing pressure-free oversize discharge. The valve is then closed and the process continues.



Total management of your filtration process - removing the need for operator involvement

How the Russell Filter Management System™ works

Two pressure transmitters, mounted on both inlet and outlet connections allow the system to monitor the differential pressure across the filter element as well as the upstream line pressure. The system can also be set up to operate the valves on a timed basis. This information is used to control the four main functions of the Russell Filter Management System™ (FMS)

- **Time controlled valve operation**
 - Automatically discharge oversize contamination
- **Differential pressure control valve operation (pictured above)**
 - Automatically discharge oversize contamination
- **Maximum screen differential pressure indicator / warning**
 - Protect your screen from damage
- **Line over-pressure indicator / warning**
 - Protect your filter and operators from harm



Russell Filter Management Systems give numerous benefits for new and existing filter users

Contact us today to discover how the Russell Filter Management System™ can improve your quality and productivity

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