Reduce the impact of media accumulation and clogging
Monitoring pressure drop across filters and strainers

Figure 1:
- Under normal operating conditions the differential pressure ($\Delta P$) is 0 PSI across the strainer
- Filters extend the life of your essential assets by protecting them from debris and contaminants in the media
- Avoid changing the filter unnecessarily by monitoring the $\Delta P$ across the strainer

Figure 2:
- Overtime, debris from the media accumulates, restricting flow within the process, and increasing the $\Delta P$ across the strainer
- Basic pressure indicators lack the ability to communicate data allowing dangerous overpressure conditions to go unnoticed
- Clogged strainers cause unnecessary stress on pumps and compressors

A. Filter
B. Media Inlet
C. Media Outlet
D. Drain Plug
E. Clean Filter
F. Clogged Filter

Application Overview

Y Strainer

Basket Strainer
ROSE Mount Filter & Strainer Monitoring Solutions

Gain Real-Time Visibility into Strainer Statuses and Process Conditions with Wireless Pressure Transmitters

- Receive a warning when the pressure drop across the strainer exceeds optimal operating limits and before dangerous over pressure conditions occur
- Quickly and easily identify where problematic conditions exist so that you can take preventative action to protect your assets
- Diagnose and address issues faster with timely process information, process alerts, and device diagnostics.
- Leverage LCD display functionality to receive local insight into process variables.
- Communicate process data regularly without manual rounds and data entry – all with WirelessHART™ ease and speed

Reduce Pipe Penetrations and Impulse Piping with Wireless Multivariable™ Transmitters

- Strainer replacement can be determined on the basis of the total flow that has passed through the filter
-Externally compensate for line pressure variations with integrated static pressure measurement
- Industry-leading 2-in-1 sensor technology
- Reduce overall installation costs by eliminating wiring and conduit

DISCOVER MORE
To learn more visit www.rosemount.com/SmartWireless

©2015 Emerson Process Management. All rights reserved.
The Emerson logo is a trademark and service mark of Emerson Electric Co. DeltaV is a mark of one of the Emerson Process Management family of companies. All other marks are the property of their respective owners.
The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice. Content of legal disclaimers is dependent on each business unit’s legal requirements.