

Application Case Study



LIQUID PROCESS FILTERS GRAVER TECHNOLOGIES 1-888-353-0303

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ACS-007

Stratum Filters Save Sausage Maker 50% on Filter Costs

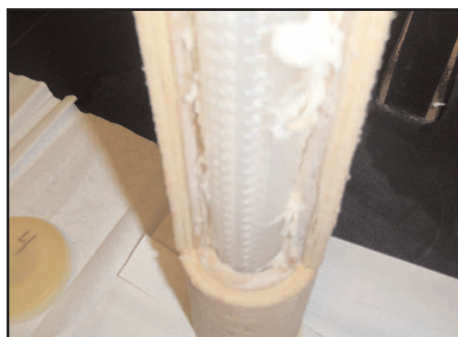
Application:	Slurry for making sausage casings
Current Product Used:	3M Polynet 1 micron
Graver Product:	Graver Stratum A 1 micron and Stratum C 3 micron

Discussion:

A manufacturer of sausages was looking for a better filtration solution for their cellulose slurry. They were using Cuno Polynet 1 micron absolute rated filters to maintain a specific turbidity level of this mixture of cellulose fibers, sulfuric acid and sodium salts. Initially the customer tried STA 1 micron, which achieved the desired turbidity, but life was shorter than the 3M filter. It was decided to try Graver Stratum C 3 micron to see if the turbidity target could be met, while offering cost savings.

Results:

- The STC 3um met the turbidity specification.
- STC 3 micron filters had longer life than STA 1um and matched the Polynet life.
- The dirt capture within the STC 3 filters was highly uniform, but with white area near core indicating no pass through of captured contaminant.
- The Polynet filters showed penetration of contaminant all the way through to the core and also held up excess fluid between layers.
- Cost savings were immense for the customer. They went from paying \$22 for the Cuno Polynet to paying \$10.50, a savings of over 50%.
- The engineer gathered sufficient data to win corporate approval to change the filter specification and STC 3 filters were adopted in this company's plants around the world. The engineer was rewarded for his efforts with a promotion!



Graver STC 3 micron Filter after use.



3M Polynet 1 micron filter after use.