



Minimizing Risk During Extended Maintenance Schedules

Safer | Healthier | More Productive

Without Proper Filtration Your Operations May Be Facing Significant Risk During Extended Turnarounds...

Extending intervals between shutdowns, turnarounds and outages may be desirable and financially beneficial, but achieving this without compromising plant safety, compliance and operating efficiency or facing challenges with meeting your commitments to customers is far from straightforward.

However proper filtration practices and technology can/will play a significant role in mitigating these risks should you choose to extend the intervals on turnarounds. By choosing the proper filtration you can extend your maintenance schedules as there is less wear on components and instrumentation within your process. Added benefits of using the proper high-quality filtration technologies to operate include reduced resources needed to operate and reduced operating costs without compromising product quality or equipment life.

So, what can you do to extend uptime and continue operating without risking safety, compliance, or efficiency? Waco Filters' has compiled a list of considerations to help you do just that!

HOW WILL A FILTRATION AUDIT

HELP YOUR PROCESS?

- ✓ Identify at-risk areas for contamination in your process
- ✓ Recommend actions that can be taken to minimize the risks
- ✓ Suggestions on where you may have improper filtration
- ✓ Identify filtration technologies that deliver better outputs
- ✓ Identify areas where your current filtration may be underperforming

Pre-Screening Audits Help You Reduce the Risks of Improper Filtration

Evaluating your process to ensure you are using the proper filtration technology can have significant impact to extending your run times without risking product quality or damage to critical equipment. Not all filtration housings or cartridges are equal, this is why we offer solutions that will fit a wide variety of filter housings and can be customized for your process. Relatively small changes in filter characteristics or design can have a large impact on your plant's performance and operating costs.



Interim Maintenance Activities Improve...



Overall Process Performance



Prevents Larger Maintenance Costs



Extends Run Times

Waco Filters, Total Filtration Supplier

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Upgrading Your Existing Filtration Technology

Selecting the right cartridge is critical to delivering an on-spec product and can improve the overall process performance. Waco Filters, a total filtration supplier, is now offering the Jonell Systems TRI-SHIELD™ cartridges.

TRI-SHIELD is a unique depth filtration media technology available for use in both liquid and gas applications and is customizable to your process to solve your most complex filtration challenges.

5X less pressure drop at start up, extended cartridge life, and is engineered with multiple thermally bonded layers to improve contaminant loading capacity.

Available for both gas and liquid filtration vessels Waco's team can assist you in identifying the correct technology based on application and process details which help us to recommend the correct type, size and design of the vessel that suites your needs.

Interim Maintenance Activities

While you may not be able to perform planned turnarounds as scheduled due to the cost of downtime, maintenance costs or manpower restrictions there are interim actions you can take to address at-risk areas and the filtration within your process. These interim maintenance activities can improve overall process performance and prevent larger maintenance costs from arising in the future.

In order to perform interim maintenance or protect equipment during extended run times we can assist you with Loop Systems or point of use filtration which can be implemented into your current process allowing fluid systems to continue running and keeping tanks agitated to prevent solids from precipitating out of suspension. with extended run times of upsets. performance and prevent larger maintenance costs from arising in the future with extended run times of upsets.



Now offering the Jonell Systems TRI-SHIELD™
Liquid and Gas Cartridges



HIGH CONTAMINANT LOADING



HIGH EFFICIENCY



HIGH ADAPTABILITY

High efficiency, high dirt loading and structural integrity lead to longer life and fewer change-outs. The result is lower planned and unplanned process downtime and lower Total Cost of Ownership.

CONTACT US TO REQUEST YOUR
FREE PROCESS FILTRATION AUDIT



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