

**LEGIONELLA
CONTROL SYSTEMS** EST. 1932

Sediment Filtration System

The LiquiTech® Sediment Filtration System removes sediment from your water that can damage pipes and other water-bearing equipment, degrade water quality, and encourage bacteria growth. With self-cleaning stainless-steel filters and a smart control system, this system is durable, sustainable, cost-effective, and water-efficient.

Smart features

Self-cleaning: A smart controller constantly monitors system performance and initiates self-cleaning cycles to remove sediment and flush the filter.

Intelligent monitoring: Real-time remote monitoring and control ensures optimal system performance and provides valuable analytics and reporting.

Key benefits

- » **Improved water quality:** Improves occupant health and safety, reduces waterborne pathogen risk, and helps your facility achieve The WELL Building Standard™ for water quality.
- » **Water-efficient + sustainable:** Uses very little water, typically operating at 99% or better water efficiency.
- » **Low maintenance:** Stainless steel filters and self-cleaning technology, mean no filters to replace, saving staff time, money, and waste.
- » **Asset protection:** Prevents premature damage to plumbing and protects infrastructure from external events outside of your control, like water main breaks, pressure surges, etc.



888-416-8626



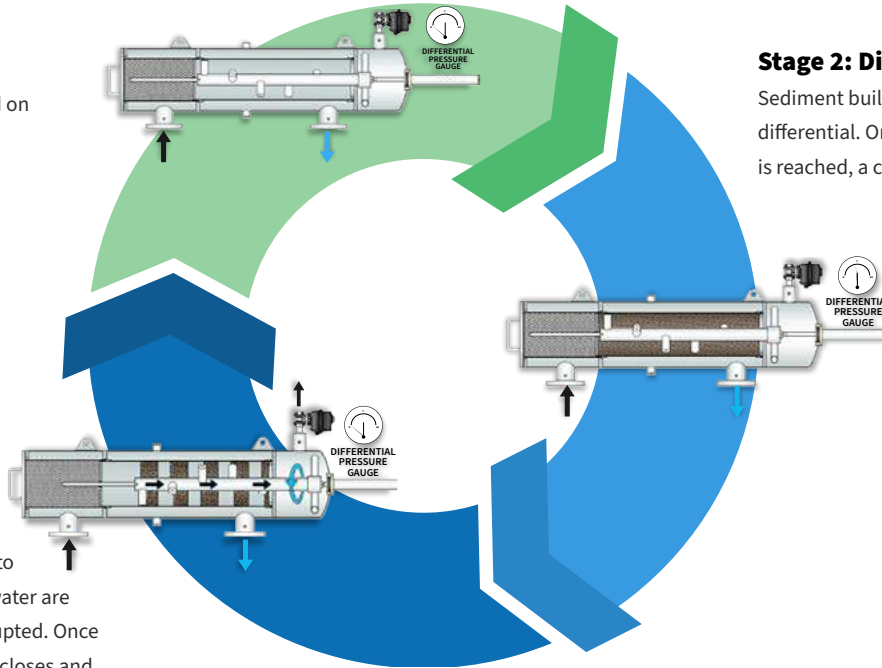
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How it works

Stage 1: Clean

As water flows through the filter, sediment is pulled out and deposited on the coarse and fine screens.



Stage 2: Dirty

Sediment build up causes a pressure differential. Once a differential of 7 PSI is reached, a cleaning cycle is initiated.

Stage 3: Cleaning cycle

The flush valve opens to vacuum debris from the screen and purges it to a waste drain. Only a few gallons of water are used, and the main flow is not interrupted. Once the cycle is complete, the flush valve closes and the system returns to normal operation.

Technical specifications

- » Flushing volume: Typically less than 0.01% of total water use per gallon
- » NSF 61 approved and certified
- » Sanitary 316 stainless steel media and 304 stainless steel housing
- » Skids available
- » Flush flow rate: 60 - 320 gpm
- » Flush duration: 6 - 8 seconds per filter
- » Solely works on water pressure
- » Line sizes: 2" - 12"
- » Flow rate: 10 - 20,000 gpm
- » Screen opening: 2 - 100 microns
- » Filtration material: Sanitary 316 stainless steel
- » Pressure: 45 - 200 PSI
- » Temperature limit: 160°F
- » Alarms and alerts when outside of parameters
- » Measures, records, and stores flow differential, inlet pressure, outlet pressure, and flushes per hour
- » Remote monitoring by LiquiTech's engineering staff
- » Full suite of building management system connections
- » Local dynamic visualization of system operation



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