

liqui-filtra

POINT-OF-ENTRY FILTRATION

Reduces water safety emergencies, Legionella outbreaks and HAIs while protecting plumbing equipment through sediment reduction and predictive ability



WHY POE FILTRATION?

Liqui-filtra, a point-of-entry filtration solution is the first line of defense against harmful bacteria and sediment and is the first step at improving environment of care through water safety.

LiquiTech's patented auto-self cleaning filter continuously monitors real time operation, effectively removes sediment, and reduces corrosion particulate, while optimizing water quality and saving your facility time and money.

BENEFITS

- ✓ **Reduced HAIs and bacteria**
Lower HAIs, Legionella and other waterborne bacteria
- ✓ **Easy compliance and water management plan incorporation**
Activity is logged and seamlessly incorporated into a WMP
- ✓ **Ward off Emergencies**
Real-time data, alarms and warnings
- ✓ **Low operational cost**
No consumables required, no cartridges and no sand
- ✓ **Easy and minimal maintenance**
No need to remove the filtration media for standard cleaning



Predictive Ability

Organizations are empowered to be proactive and prevent emergencies based on real-time water quality, water flow and pressure data and alerts that help determine water usage variances and can signal stagnation risk



Increased Water Quality

Provides safety against uncontrollable events such as weather changes and water main breaks



Protects People & Equipment

Sediment reduction increases the efficacy of all waterborne disinfectants, even municipal chlorine

HOW IT WORKS

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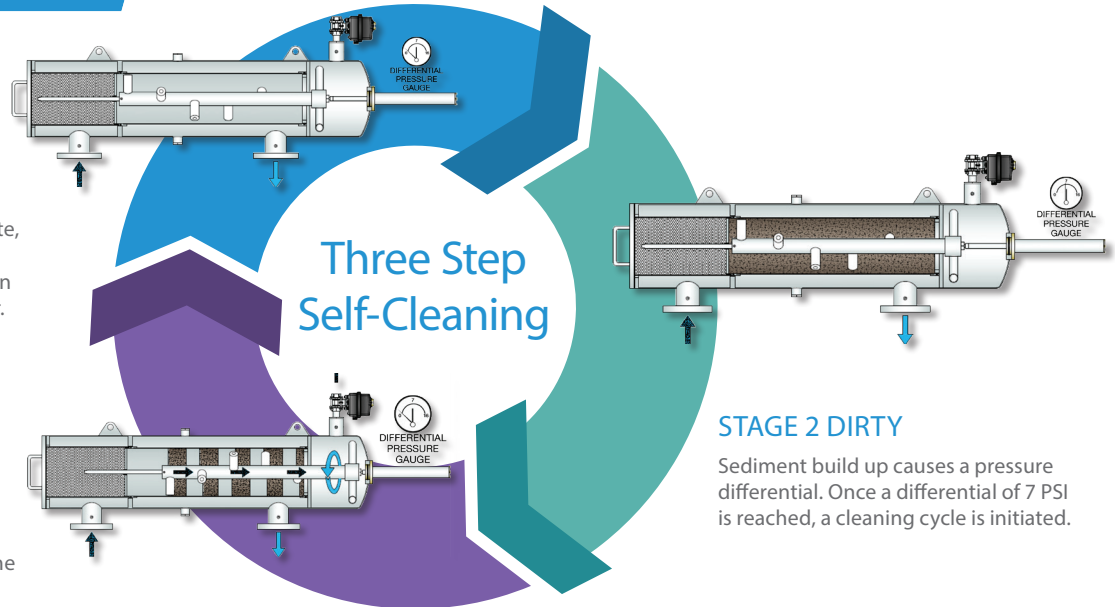
STAGE 1 CLEAN

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

Once the cleaning cycle is complete, the flush valve closes, and the system returns to normal operation – using only a few gallons of water.

STAGE 3 VACUUM CLEANING CYCLE

The flush valve opens, creating a low-pressure path for the suction nozzles to vacuum the debris from the screen. Purge cycle is completed without interrupting the main flow.



TECHNICAL SPECIFICATIONS

- ✓ Line Line Sizes: 2"–12"
- ✓ Flow Rate: 10–20,000 gpm
- ✓ Screen Opening: 5 - 100 microns
- ✓ Filtration Material: Sanitary 316 Stainless Steel
- ✓ Pressure: 45–200 psi
- ✓ Temperature Limit: 160°F
- ✓ No consumables
- ✓ Skids available
- ✓ Flush Flow Rate: 60–320 gpm
- ✓ Flush Duration: 6-8 seconds per filter
- ✓ Flushing Volume: Typically less than 0.01% of total water use per
- ✓ NSF 61 Approved and Certified
- ✓ Sanitary 316 stainless steel media and 304SS SS housing
- ✓ Solely works on water pressure
- ✓ Measures, records and stores
 - Flow differential
 - Inlet pressure
 - Outlet pressure
 - Flushes per hour
- ✓ Alarms and alerts when outside of parameters
- ✓ Remote monitoring by LiquiTech's engineering staff, liqui-team
- ✓ Full suite of BMS connections
- ✓ Local dynamic visualization of system operation
- ✓ Records and logs activity