

Pressure Filter

Expansion Pro Analyzer 2000™

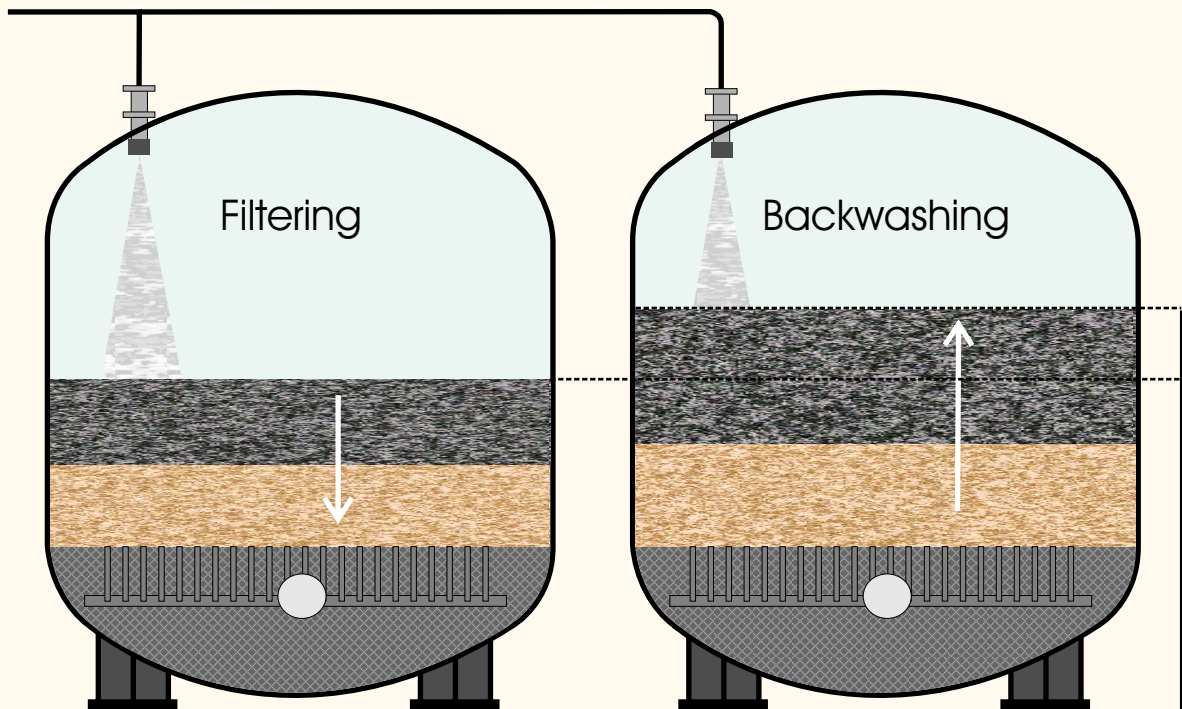
Optimize Filter Cleaning
Reduce Expensive Media Loss

Analyzer takes guesswork out of pressure filter backwashing



Primary Benefits

- Improve Filter Cleaning
- Monitor Manned & Unmanned Backwashes
- Reduce Media Loss, Maintain Proper Media Level
- Extend Filter Run Time



MEDIA DEPTH: in.				
	#1	#2	#3	#4
→	48	52	49	50
→	-1	-2	0	-4 Δ

Cumulative media loss
Current media depth

Filter number

EXPANSION	
Filter 1	
→	14.2 in 30%

Media Expansion in inches or centimeters

Expansion as a percent of media bed depth

Measurements:

- Media expansion while backwashing filter
- Media level and loss between backwash cycles
- Monitors media re-compaction after backwash

Installation:

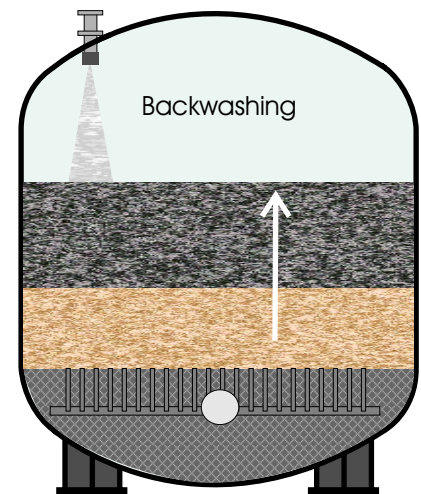
- Threaded transducer housing provides simple connection to transducer flanged spool piece
- Engineered installation systems fabricated for tanks with special requirements
- Approvals - CE, including Low Voltage Directive

Specifications:

- Measurement Type - single beam, underwater acoustic sensor
- Measurement Range - 1.0 ft. to 7.0 ft. from sensor, Accuracy: 0.1 in.
- Distance of Transducer from Analyzer - 1000 ft.
- Outputs - 4-20mA Current Loop (4), Echo Loss Alarm Relays (4)
- Power Requirements - 110/220 VAC, 50/60 Hz, 15 Watts
- Temperature Range -
 - Analyzer: -40° to +140°F (-40° to +60° C)
 - Transducer: -40° to +120° F (-40° to +50° C)
- Mechanical -
 - Analyzer:
 - Housing: molded fiberglass polyester, NEMA type 4X,
 - Weight - 8lbs., Size (nominal) - 10" x 8" x 6"
 - Transducer: Material - PVC and epoxy, Weight - 0.5 lbs.
- Pressure Rating - 150 psi



EPA 2000 - Pressure Filter Sensor Installation



Also Available - BinMinder 9300™ Sludge Level Analyzer

- Primary, secondary and raw water clarifiers
- Gravity thickeners
- Circular and rectangular tanks
- Handles surface skimmer and bottom rake
- Cost effective single and multiple-sensor systems
- Entech Design, Inc. Brochure number BMB0998 for complete details

Superior Performance at Industry Leading Low Cost

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