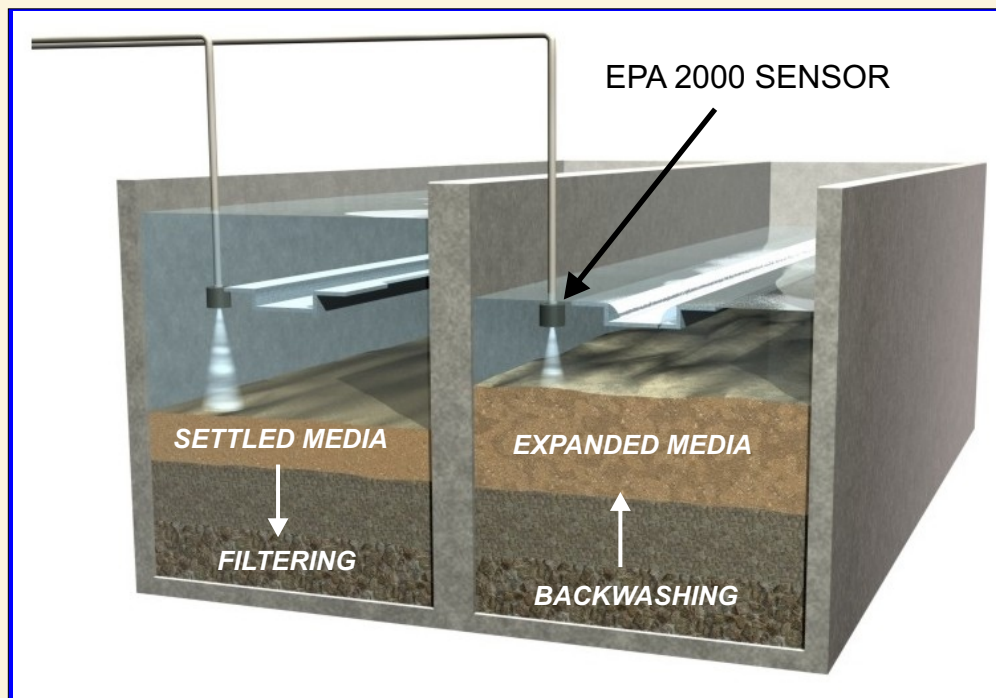


Optimize Filter Cleaning Through Expansion Pro Analyzer - EPA 2000™

*Media expansion measurement takes guesswork
out of gravity filter backwashing*

Primary Benefits

- Improve Filter Cleaning
- Extend Filter Run Time
- Reduce Media Loss
- Promote Even Media Re-stratification



Measurements:

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

Features:

- Cost effective single & multi-sensor systems
- No moving parts, no maintenance required
- Multi-function LCD & operator control panel
- Simple set-up and operation
- Automatic initialization & calibration

Expansion Pro Analyzer - EPA 2000™

Installation:

- Threaded transducer housings provide simple connection to standard conduit or pipe.
- Mounting brackets and hardware are available for transducers and analyzers
- Engineered installation systems fabricated for tanks with special requirements.
- Approvals - CE, including Low Voltage Directive

Specifications:

- Measurement Type - single beam, underwater acoustic sensor, 6° full beam.
- 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), 10 amp contact 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: PVC with epoxy encapsulating material, stainless steel shaft, replaceable PVC arm with rubber blade.

Measurements are Continuously Updated in Easy to Read Views

EXPANSION	
Filter 1	
14.2 in	30%

Media Expansion in inches or centimeters

Expansion as a percent of media bed depth

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

Cumulative media loss
Current media depth

Filter number

Also Available - BinMinder 9300™ Sludge Blanket Level Detector

- Primary, secondary and raw water (alum) clarifiers
- Gravity thickeners and dissolved air flotation thickeners
- Round and rectangular tanks
- Handles surface skimmer and bottom rake
- Cost effective single and multi-sensor systems
- Entech Design, Inc. Brochure number BMB0998 for complete details

Superior Performance at Industry Leading Low Cost

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