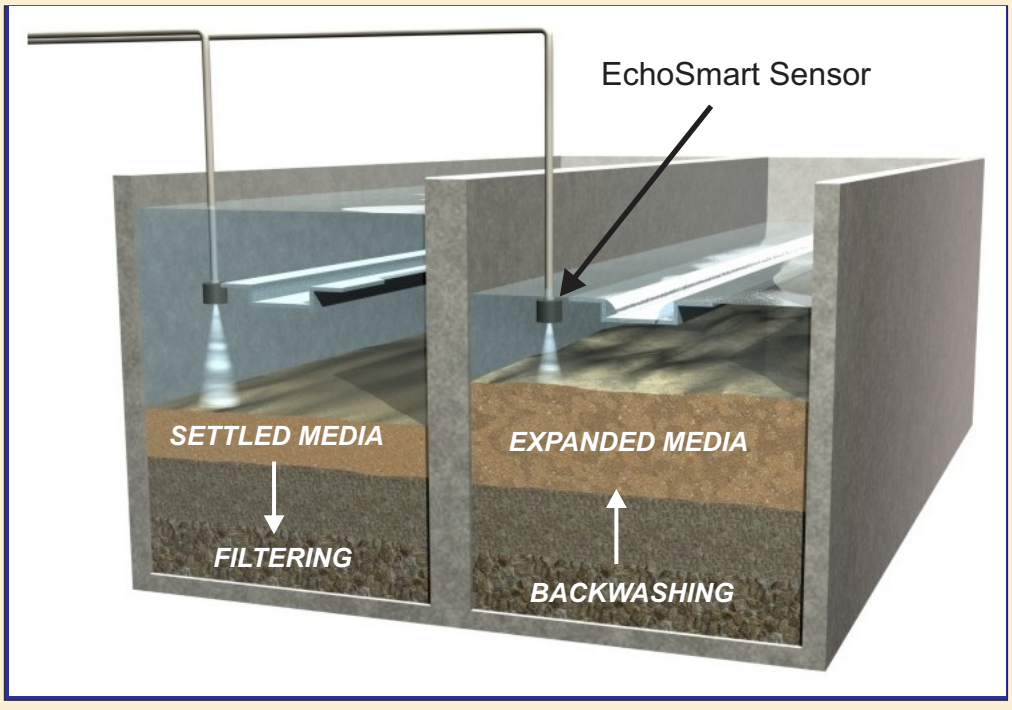
Optimize Filter Cleaning Through

EchoSmart™ Interface Level Analyzer

Media expansion measurement takes guesswork out of gravity filter backwashing

Primary Benefits

- *Improve Filter Cleaning*
- *Extend Filter Run Time*
- *Reduce Media Loss*
- *Reduce Backwash Water and Power Usage*
- *Save Money*



Media Expansion AND Turbidity Monitoring with one sensor is the key to savings (see examples other side)

Only EchoSmart:

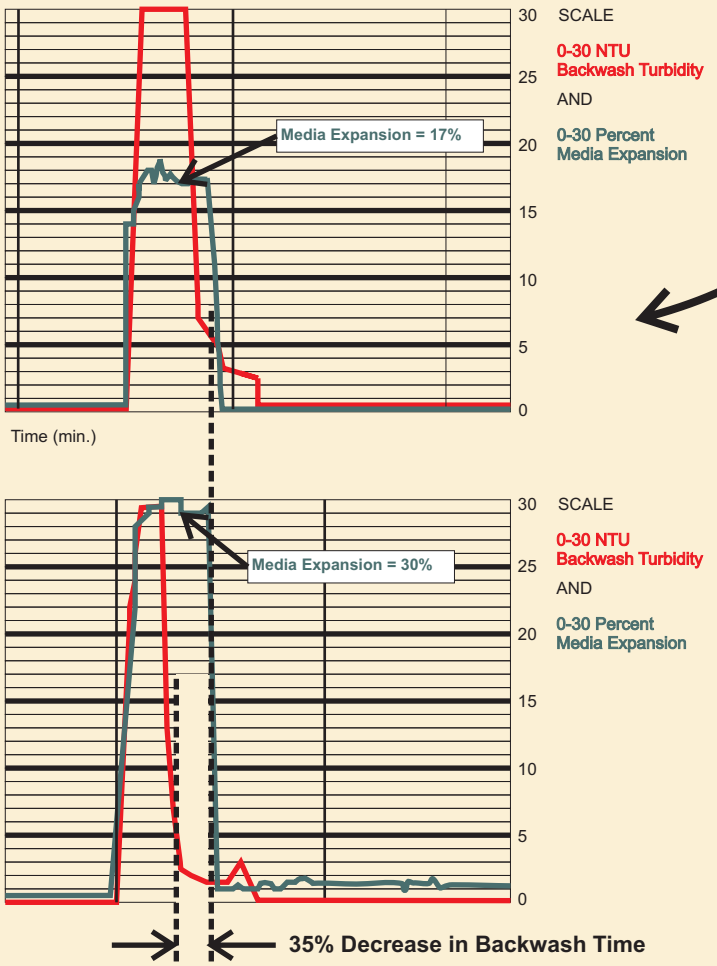
- *Measures media level and loss between backwash cycles*
- *Measures media expansion and turbidity while backwashing filter*
- *Monitors media re-compaction after backwash*
- *Ensures optimal expansion regardless of water temperature, every time*

Features:

- *Cost effective single & multi-sensor systems*
- *Multi-function LCD & operator control panel*
- *Simple set-up and operation*
- *Automatic initialization*
- *Optional Wireless Network streamlines installation eliminating the need for costly conduit and cabling*

DECREASE BACKWASH TIME BY 35%

PROPER EXPANSION SAVES WATER & MONEY



Backwashing based on time may not expand the media properly, leading to formation of mud balls and mud cracks and reducing efficiency. EchoSmart washing ensures proper fluidation and cleaning of the filter media every time. Plus, turbidity monitoring with the same smart sensor allows you to end the backwash as soon as the wash water is clean. One customer reduced their backwash time by 35%!

One Plant's Experience:

Saved 0.7% of total flow using Media Expansion and Turbidity Monitoring

55MGD * 0.007 = 385,000 gal / day

$3.50 / 1000 gal * 385 = $1,350.00 / day

$1,350 * 30 Days = $40,500.00 / Month

Monitoring turbidity in the filter ensures real-time feedback. Relying on a downstream turbidity sensor for backwash feedback can add precious minutes to backwashing time. Shave minutes off your backwash times and save money! EchoSmart monitors the turbidity in the filter and ensures optimal media expansion at the same time.

In-Filter vs Downstream Turbidity Monitoring