

Don't Replace it.. Upgrade it!

The Phoenix Panel System technology has been used to upgrade numerous types of filter systems in Canada and the U.S.



We cover them all with the Phoenix Panel System.

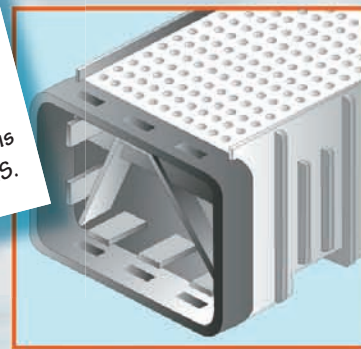
The AWI Phoenix Panel System was developed to upgrade existing underdrain systems and provide two main functions for filter optimization:

1. Eliminate the need for base gravel layers.
2. Improve distribution of backwash flows.

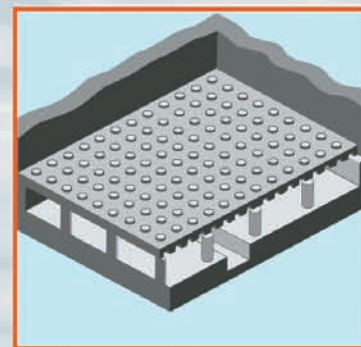
The Phoenix Panel System:

- ✓ Eliminates the need for base gravel layers,
- ✓ Does away with gravel mounding, disruption and media migration,
- ✓ Improves backwash flow distribution,
- ✓ Provides longer filter runs and lower turbidity,
- ✓ Installs directly over existing filter underdrain system.

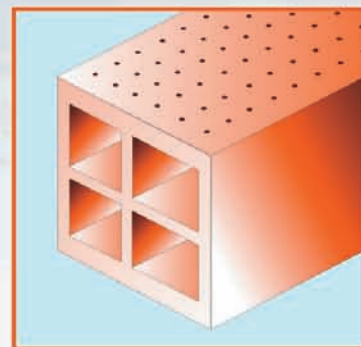
At AWI we focus on water filtration. We have over twenty years of experience working with consulting engineers and plant operators providing filter optimization solutions. We provide many services to improve water filtration processes.



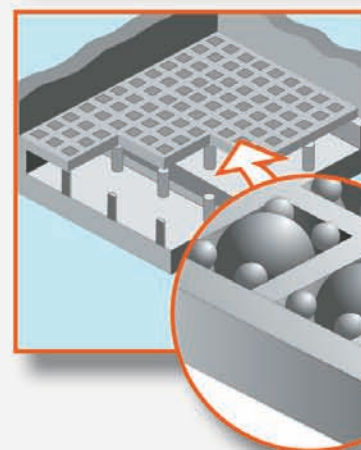
Plastic Block



False Bottom
with strainers

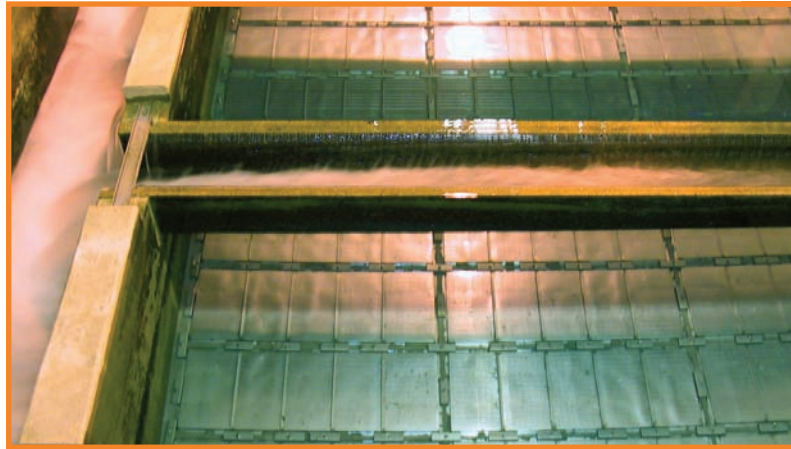


Clay
Tile Block



Wheeler
Bottom





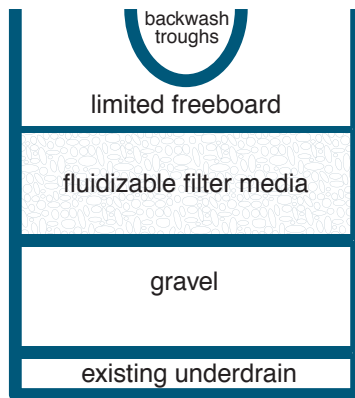
Phoenix Panel System technology, installed over an existing false bottom, strainer-type underdrain, did not require the existing underdrain to be removed and eliminated the need for base gravel layers. Almost all of the space occupied by gravel is made available for a deeper media bed or enhanced backwash procedures.



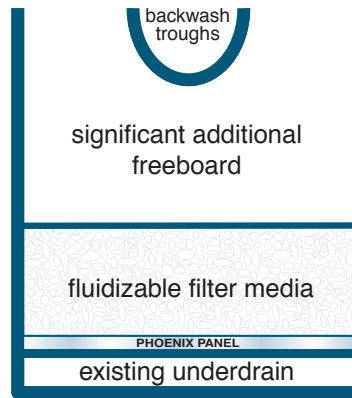
The custom-engineered hydraulic design of the Phoenix Panel System, installed over an existing clay-tile block underdrain, significantly improves backwash efficiency resulting in longer-filter runs and lower turbidity effluent.

What would you do with additional depth in your filters?

BEFORE
typical media configuration
with gravel support



AFTER
Phoenix Panel System
installation



- Eliminates filter gravel
- Extremely low profile
- Improved distribution of backwash flows
- Stainless steel construction
- Optimize existing underdrain system



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*Patent Applied for

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