

Leopold® Trough-Guard® Media Retention Baffle

The Leopold Trough-Guard media baffle is a stainless steel assembly that is fastened onto both sides of wash-water troughs to help prevent significant media loss during concurrent air/water filter backwash.

Key benefits:

- Enables sustained concurrent air/water filter backwash
- Reduces backwash water consumption
- Helps prevent costly media loss during filter backwash
- Stainless steel construction for long, corrosion-free, maintenance-free service life
- Installs on concrete, steel, or FRP troughs
- Adaptable to existing wash troughs

Prevent costly media loss

During aggressive air scour or concurrent air/water backwash, the air-induced turbulence can carry media particles to the surface where the backwash water can carry the media into the wash-water troughs, resulting in media loss. This is often aggravated because the space between the top of the filter bed and the bottom of the wash troughs – the freeboard – is insufficient for lightweight anthracite grains to return to the filter bed.

Leopold Trough-Guard media baffles help ensure that no significant media loss occurs when backwashing a filter at recommended rates.

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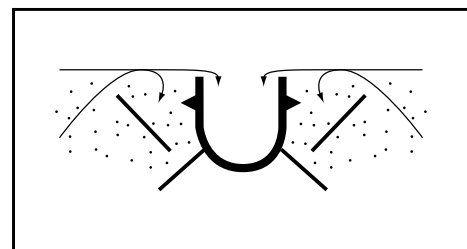
They work by creating a quiet, air-bubble-free zone between the outer plate and the inner plate. Any media that overflows the outer plate settles out in the quiet, air-bubble-free zone and returns to the filter bed.

Floating solids dislodged from the filter media during backwash are unaffected by the media baffles. They continue to be carried on the surface of the backwash water and into the wash-water troughs for removal from the filter.

Long, maintenance-free life

Constructed of corrosion-resistant Type 304 Schedule 5 stainless steel, Trough-Guard media baffles are durable, will not corrode, and will provide long, maintenance-free service.

They can be bolted onto concrete, steel, or fiberglass-reinforced plastic (FRP) troughs, and they can be adapted to any length and most existing wash-water trough configurations.



Leopold Trough-Guard media baffles create a quiet, bubble-free zone where any media overflowing the outer plate settles out and returns to the filter bed.

Pair with Leopold fiberglass troughs

Leopold FRP troughs provide uniform removal of wash water during backwashing and come in a wide range of capacities to meet design requirements.

Designed and manufactured for rigidity and dimensional accuracy, Leopold troughs are durable, corrosion resistant, and maintenance free. They are easy and economical to install, with no costly forming work, and all mounting brackets, hardware, and stabilizers are stainless steel.

Together, the Leopold FRP troughs and Trough-Guard media baffle work to reduce media loss and support effective cleaning of the media.



Leopold fiberglass-reinforced plastic wash-water troughs

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