

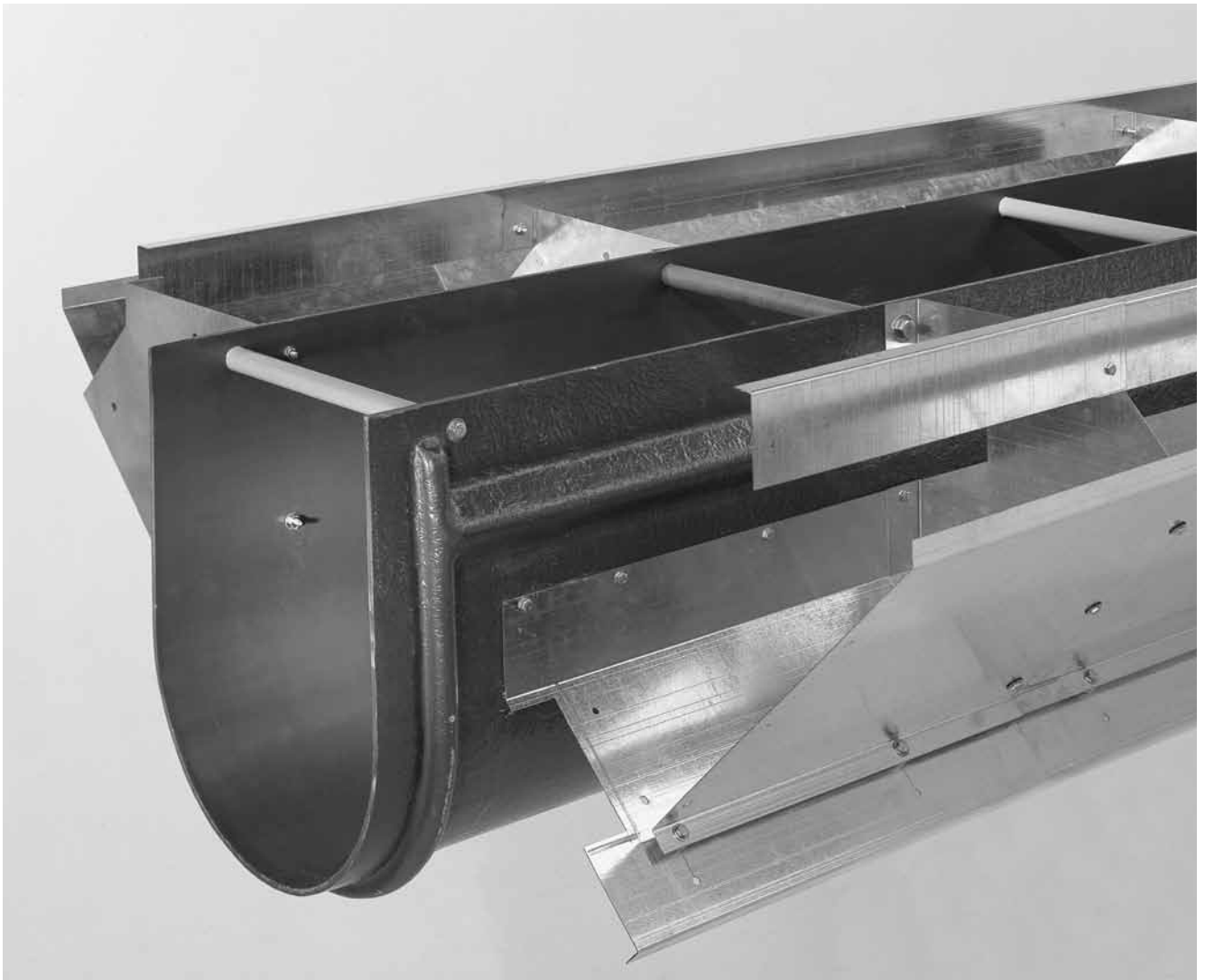


Product Data sheet
TGB-100

Leopold® Trough-Guard™ Media Baffle

- 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
- Employed with Leopold® FilterWorx™ automatic control system for optimum performance

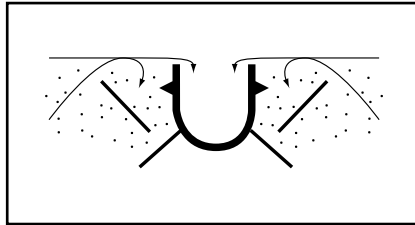
The Leopold® Trough-Guard™ media baffle is a stainless steel assembly that is fastened onto both sides of washwater troughs to help prevent significant media loss during concurrent air/water filter backwash.



During aggressive air scour or concurrent air/water backwash, media loss can occur because the air-induced turbulence can carry media particles to the surface where the backwash water then carries the media into the wash-water troughs. 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. 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.



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.

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 washwater troughs for removal from the filter.

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 FRP (fiberglass-reinforced plastic) troughs, and they can be adapted to any length and most existing washwater trough configurations.



Leopold Trough-Guard media baffles are constructed of corrosion-resistant Type 304 Schedule 5 stainless steel and can be bolted onto concrete, steel, or FRP troughs.

The Leopold Trough-Guard media baffle is applied in conjunction with the Leopold® FilterWorx™ automatic control system. The FilterWorx automatic control system ensures that the proper combinations of air and water are applied to the filter based on media size and depth and the configuration of the plant to reduce media loss. It also provides the proper cycle duration required to clean the media. Together, the Leopold FilterWorx automatic control system and Leopold Trough-Guard media baffle work to reduce media loss and provide optimum cleaning of the media.

The Leopold Trough-Guard media baffle is just one of the technology components of a complete Leopold filter for new construction or rehabilitation.



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