

# LAZERFLO®

Low-Profile Stainless-Steel Underdrain System



**WESTECH®**

# LAZERFLO® High Performance Underdrain



WesTech's LAZERFLO® underdrain is easier to install than block or monolithic underdrains. It is a proven, corrosion-resistant laser-slot system that supports fine media and provides an open-support structure for even, multidirectional distribution through the filter cell.

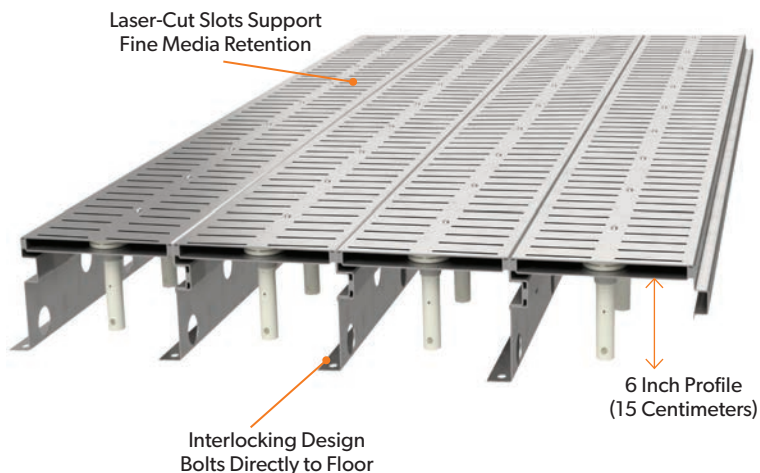
## Laser-Slotted Underdrain System Provides Lower-Profile Alternative

WesTech's LAZERFLO underdrain is a low-profile, laser-slotted stainless-steel system that provides an alternative to block and teepee-design underdrains. Its factory-assembled strips nest together, are sized to fit the length of the filter cell, and bolt directly to the cell floor for strength.

Only 6 inches (15 centimeters) high, the LAZERFLO underdrain allows for deeper media beds in a given-size filter cell. It is compatible with WesTech's MULTIWASH® backwash process, which helps prevent media loss.

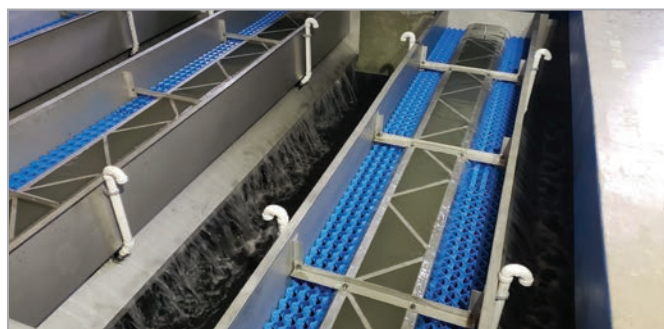
## Easier to Install, Safer for Workers

Easier to install than block or monolithic underdrains, LAZERFLO requires no special installation tools or skills and eliminates installation delays associated with grout-secured underdrains. Installers can walk on the flat underdrain floor right away. The floor is free of tripping hazards, which makes for safer walking.



## Simple, Versatile

A laser-cut slot system in the corrosion-resistant, stainless-steel surface supports fine media retention (0.25 millimeter and above) without the need for support gravel. The open plenum support structure provides even, multidirectional air and water distribution throughout the filter cell, eliminating potential flow-blockage concerns.

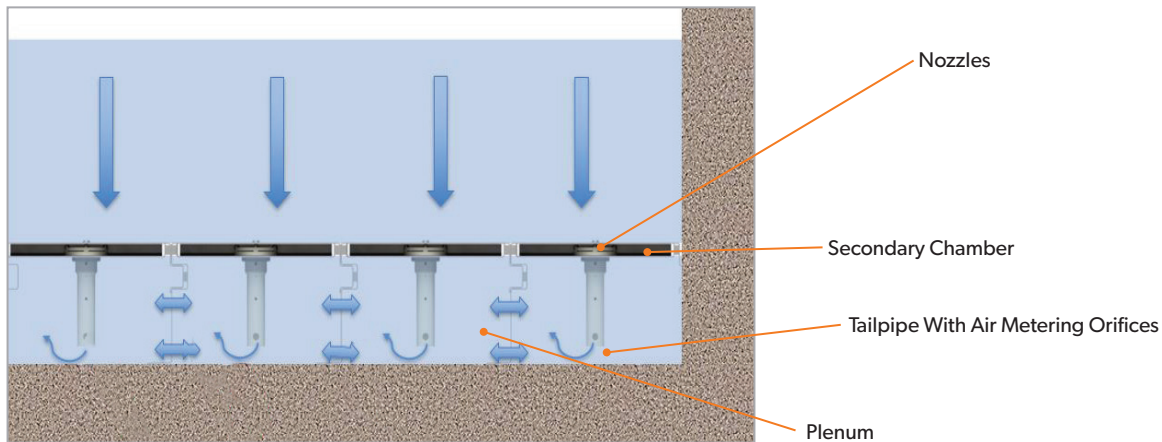


## MULTIWASH

- Provides simultaneous air and water backwash
- Helps prevent media loss
- Cleans media effectively

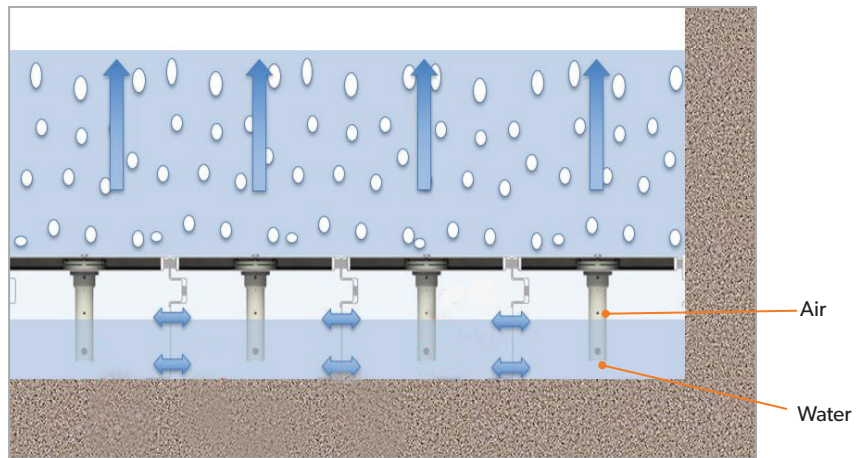
## LAZERFLO Operation

Laser-cut slot openings on the top surface allow filtrate to enter a secondary chamber below. Nozzles in the secondary chamber connect to vertical tailpipes that extend to the filter plenum.



Backwash processes use the same nozzle and tailpipe system. Backwash water enters the filter cell through a flume. Orifices on the tailpipes meter air and water, which pass up to the secondary chamber, up through the surface slots and media bed, and into a backwash water collection system.

- Supports multiple flume and air header configurations
- Supports water and air-and-water backwash



## Applications

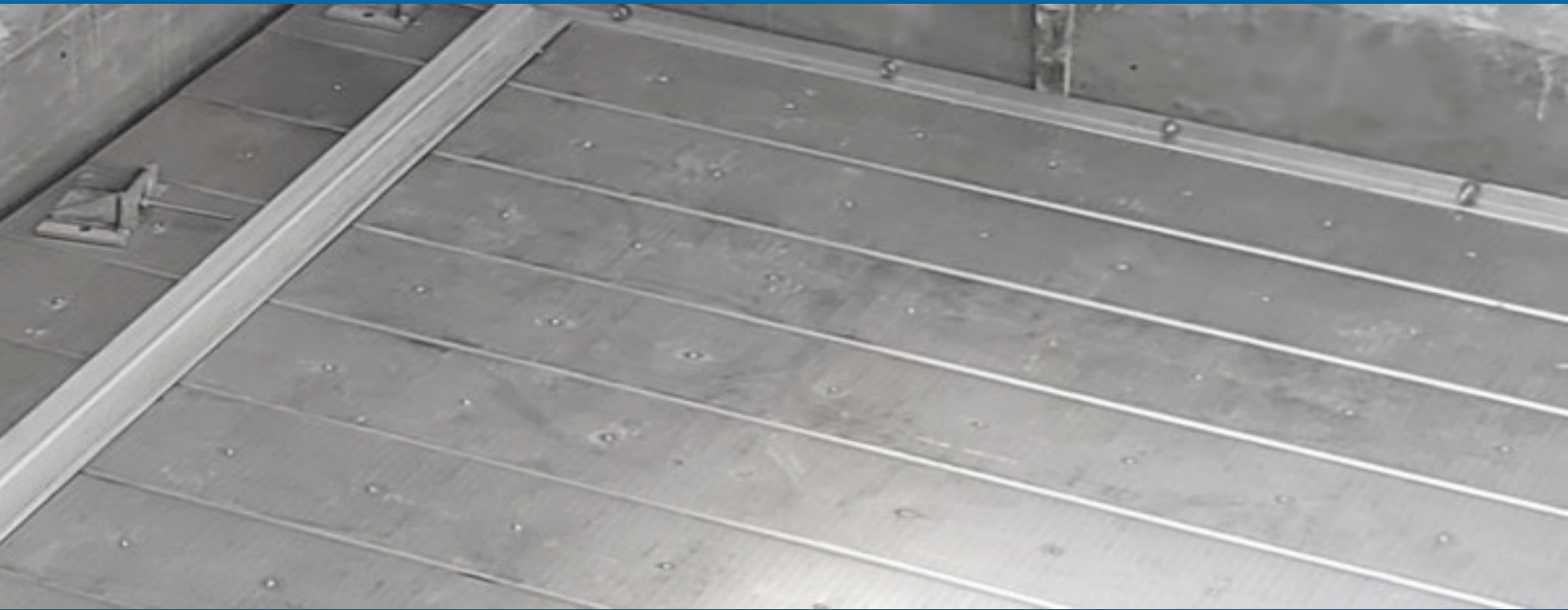
- Industrial and municipal concrete gravity filter plants
- Existing gravity filter retrofits
- Steel filters, including package plants

## Features

- **Lower profile:** 6-inch (15 cm) profile (lower than block and monolithic underdrains)
- **Interlocking construction:** simpler installation, shorter overall project schedule
- **Laser-cut top deck:** fine media support (0.25 mm and above) without the need for support gravel
- **Corrosion resistant:** stainless-steel structural components
- **MULTIWASH compatibility:** highly effective backwash cleaning system that prevents continual media loss
- **Efficient design:** even distribution, minimized feed locations

## Benefits

- **Easier to construct and install:** interlocking factory-assembled sections that anchor to the floor
- **More effective:** an open-plenum design that allows water and air to move in all directions below the floor
- **Better for retrofits:** a lower profile that provides greater media depth for retrofits
- **Safer for employees:** a completed floor that is flat and free of obstructions



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