

# Filtration Efficiency From Every Angle

LEOPOLD TYPE 360 UNDERDRAIN

**The Leopold brand has been delivering the most efficient and reliable filtration systems since 1922. With the new Leopold Type 360 Underdrain, we are adding a bolt down model to our underdrain family providing:**

- Efficiency through a revolutionary 360° backwash technology
- Cost effective installation and serviceability
- Self-cleaning for superior reliability



0.2 mm slots and orifices around the underdrain create a uniform air and water pattern and prevent dead zones between the laterals.

## 360 degrees of innovation

Our unique 360° backwash design revolutionizes the single pass filtration industry by completely eliminating dead zones in the filter media. Slots and orifices around the underdrain penetrate the media from every angle.

By allowing for 100% backwash of the media above and between the laterals, the Leopold Type 360 Underdrain:

- Increases filter run times
- Reduces backwash water consumption
- Extends media life
- Lowers energy costs

# Leopold Type 360 Underdrain

## Easy to service. Hard to beat.

The Leopold Type 360 Underdrain uses a modular lateral design to simplify installation. Unique hold-down brackets secure the laterals and enable service to individual underdrains through its innovative bolt down system.

Reinforced polymer provides the Leopold Type 360 Underdrain with maximum strength while reducing the overall weight for easier transportation and installation.

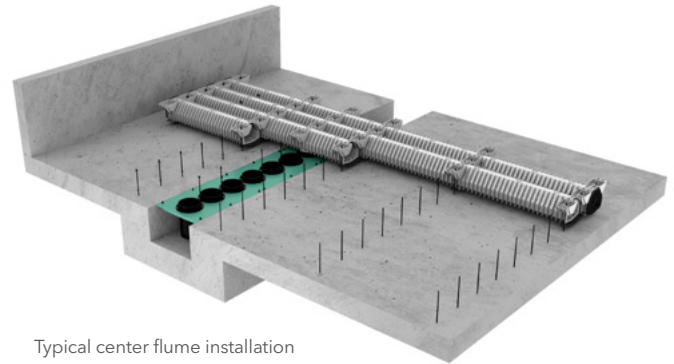
The underdrain is adaptable to all standard flumes and air feeds to facilitate rehabilitation and retrofits of existing filters.

## Strength and reliability

The strength of the Leopold Type 360 Underdrain is unprecedented in the market. As the strongest bolt down product, with an uplift resistance above 15 psi, it will withstand most unexpected events like hydraulic surges (water hammer).

Durable reinforced polymer makes the Leopold Type 360 Underdrain 100% corrosion free to ensure a maximum filter lifetime.

A patent pending, self-cleaning technology removes sediments that could build up in the underdrain over time and, combined with the high uplift resistance and corrosion free design, makes it the most reliable bolt down product on the market.



Typical center flume installation



Hold-down bracket



Type 360 Underdrain with hold-down brackets, anchor rods and support saddles

## Applications

Designed to solve the most current water challenges in:

- New drinking water applications addressing EPA's LT2 rules and contaminants of emerging concern
- Rehabilitation of existing media filters
- Oxelia - biologically active filtration systems
- Indirect and direct potable reuse applications
- Steel package filters

## Technical specifications

Underdrain	48" length x 11.25" width x 9.88" height
Spacing between laterals	Placed on 12" centers
Uplift resistance	> 15 PSI
Material of construction	Reinforced polymer
Third party certifications	NSF 61

**xylem**  
Let's Solve Water

Xylem, Inc.  
227 South Division Street  
Zelienople, PA 16063  
tel 724 452 6300  
fax 724 452 1377  
www.xylem.com

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