

# Leopold® Type XA Underdrain

PREMIUM STRENGTH AND PERFORMANCE IN A LOW PROFILE

**Engineered for superior uplift resistance and easy installation, the Leopold Type XA underdrain provides trusted performance and unparalleled versatility in a low-profile design.**

## **Maximize uplift resistance**

With its patented grout pocket and patented wire mesh installation, the Type XA underdrain withstands uplift pressures up to 65 psi (4.5 bar). This superior uplift resistance is far beyond any other underdrain, delivering robust, dependable performance for decades of worry-free operation.

## **Optimize media cleaning**

Leopold's innovative dual parallel lateral and patented water recovery channels ensure superior backwash air and water distribution, which means a cleaner filter, longer filter runs, and lower operating costs for the bottom line.

A maldistribution index of less than  $\pm 5\%$ , the elimination of dead zones, and the option of collapse pulse cleaning with concurrent air/water backwash combine for effective cleaning of the filter media.



**Type XA underdrain**  
with I.M.S.® 200  
media retainer

# Leopold Type XA Underdrain

## Superior versatility

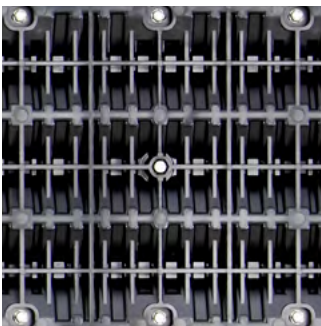
Long laterals, compatibility with standard flume layouts, and a low profile provide design flexibility for new installations and retrofits.

The low 8.25 in (21 cm) profile can accommodate any filter basin depth. Add I.M.S® 200 or I.M.S 1000 media retainers to replace up to 14 in (35 cm) of gravel to allow for deeper media or higher driving head without requiring more vertical sidewall.

## Optimized installation - with a click and a snap

Specially engineered features allow quick, easy construction or retrofits to get you into production faster.

- Quick-click handles let two workers easily maneuver blocks into position.
- Modular blocks snap together with bell and spigot seal, speeding installation.
- Grout-TITE® bridge prevents grout from entering the flume, eliminating costly cleanup.
- Grout pocket holds block in place for grout pour, while wire mesh strengthens the grout bond for maximum uplift resistance.
- Laterals are easily leveled, with just a tap.
- Forgiving installation tolerances, due to interior baffles, simplify installation and retrofit.



I.M.S 200 media retainer detail

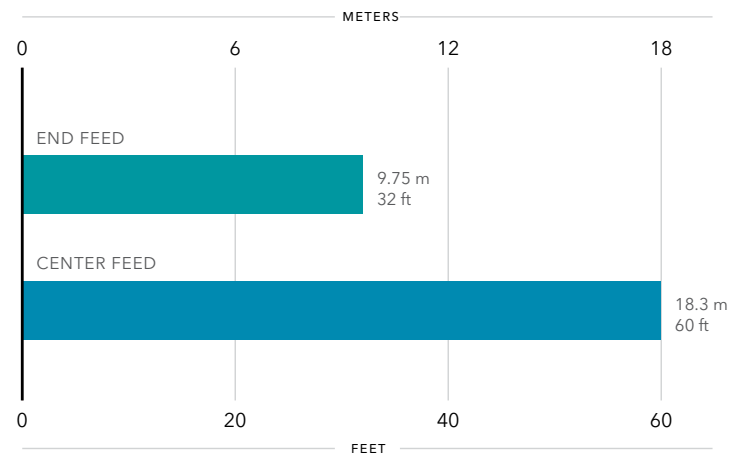


Patented grout pocket

## Technical data

Material	HDPE
Length	48 in (122 cm)
Width	11 in (28 cm)
Height	8.25 in (21 cm)
Weight	23.5 lbs (10.7 kg)
Uplift resistance	Up to 65 psi (4.5 bar)
Standards met	NSF - 61
Airflow range	2 to 5 scfm/ft <sup>2</sup> (36 to 91 m/hr)
Water flow	Up to 25 gpm/ft <sup>2</sup> (61 m/hr)
Concurrent air/water flow range	Air: 2 to 5 scfm/ft <sup>2</sup> (36 to 91 m/hr)* Water: 2 to 6 gpm/ft <sup>2</sup> (5 to 15 m/hr)* <i>*depending on lateral length</i>
Water maldistribution	Less than ±5%
Level tolerance	± 0.25 in (6 mm)

## Maximum lateral length



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