



# Leopold® Type XA™ Underdrain

FILTRATION INNOVATION FOR THE NEXT GENERATION

**Engineered for superior uplift resistance and easy installation, with a revolutionary new low profile design that provides unparalleled versatility, the Leopold® Type XA™ underdrain gives you the performance you expect from the Leopold name.**

## Superior Performance

- Best uplift resistance: The patent pending grout pocket withstands uplift pressures up to 30 psi (>2.0 bar) without mechanical fastening. This superior uplift resistance is more than any other underdrain, delivering robust, dependable performance for decades of worry free operation.
- Innovative dual parallel lateral ensures the same superior backwash air and water distribution you expect from Leopold. Superior backwash means a cleaner filter, longer filter runs and lower operating costs for your bottom line.
- Dual water recovery channels provide the same, uniform air scour found in all genuine Leopold Underdrains. Maldistribution index is less than five percent!



Type XA Underdrain  
Shown here with  
I.M.S® 1000 media retainer

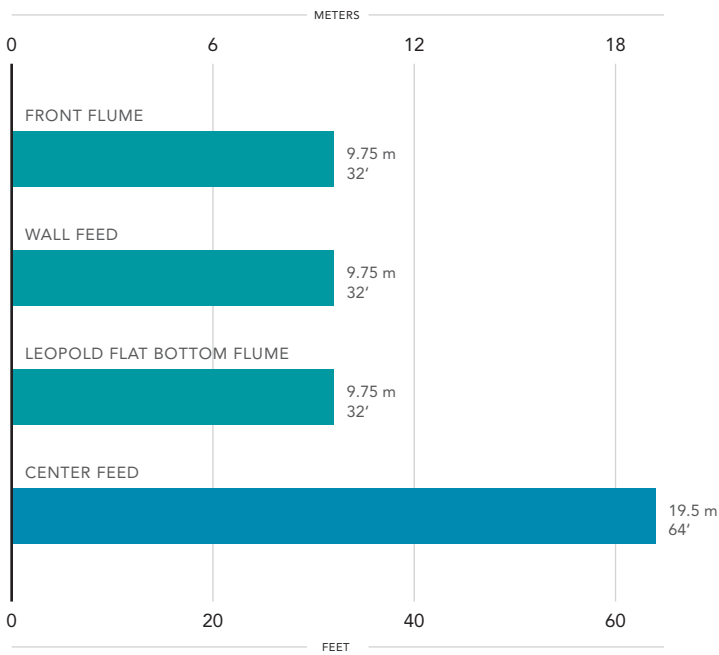
# Leopold® Type XA™ Underdrain

REVOLUTIONARY LOW PROFILE DESIGN - FROM THE LEADER IN FILTRATION INNOVATION

## Flexibility, affordability, performance and reliability—all standards of Leopold® engineering excellence

Superior uplift resistance and the superb backwash you have come to expect from Leopold are just the beginning. The Type XA™ underdrain gives you unprecedented flexibility and faster, affordable construction, all in a low profile underdrain. Longer laterals combined with all the standard flume layout options give you more design flexibility than any other low profile underdrain. Specially engineered features allow quick, easy construction or retrofits without compromising quality, reliability or performance.

### Lateral Length



### Superior Versatility

- Lowest profile: Low 8.25 inch (21 cm) profile allows for deeper media or higher driving head without requiring more vertical sidewall.
- Longer laterals for low profile – up to 32 feet (9.75 meters) for front flume or wall feed; 64 feet (19.5 meters) with center feed flume.
- Choose your feed: compatible with wall sleeve, center flume or front flumes, and of course the Leopold flat bottom flume.
- Replace up to 14 inches (35.6 cm) of gravel for an even lower profile with the I.M.S® 200 and I.M.S® 1000 media retainers.
- Retrofits or new installations, the Type XA™ underdrain is ideal for either.
- Lower profile lets you choose your benefit:
  - Higher operating head for longer filter runs.
  - More media depth for longer filter runs, cleaner filtrate.
  - Lower construction costs – operating head or media depth not a concern? Lower the side wall to reduce construction capital costs.

### Fast Installation - Installs with a Click and a Snap

- Reduces installation time to a fraction of the time required for other underdrain systems. Gets you in production faster.
- Grout pocket eliminates underdrain anchors - drastically reduces parts and installation time.
- Quick click handles let two workers easily maneuver blocks into position.
- Blocks snap together with bell and spigot seal, speeding installation.
- GROUT-TITE® Bridge prevents grout from entering flume, eliminating costly cleanup.
- Easy leveling with just a tap. Grout pocket assists in holding block in place with a two-part grout pour.
- Monopour also easy with the grout pocket.
- Forgiving installation tolerances, due to interior baffles, like those found in all Leopold underdrains. Simplifies installation and retrofits.



Grout pocket eliminates underdrain anchors, drastically reducing parts and installation time.

**xylem**  
Let's Solve Water

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