



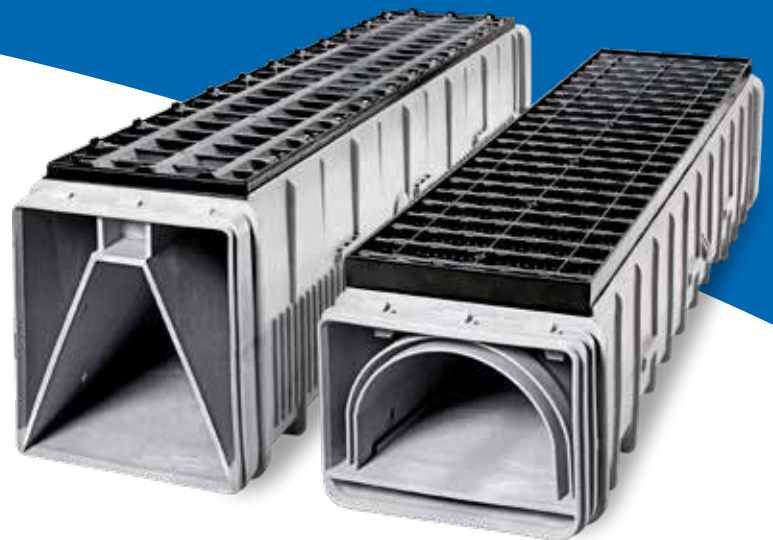
# I.M.S.<sup>®</sup> 200 and I.M.S.<sup>®</sup> 1000 media retainers

**Leopold I.M.S.<sup>®</sup> 200 and I.M.S.<sup>®</sup> 1000 media retainers - designed to improve the efficiency and reliability of both water and wastewater filtration systems.**

Providing a more effective option than using gravel in most applications, these next generation media retainers from the industry leader in water and wastewater filtration systems have been carefully engineered to enhance the superior performance of the Leopold underdrain system, providing long life performance and peace of mind. As part of the complete Leopold underdrain system, the I.M.S.<sup>®</sup> 200 and I.M.S.<sup>®</sup> 1000 media retainers increase flexibility in media design by eliminating up to 35 cm (14") of support gravel, increasing the available room in the filter for additional media depth or increased filter freeboard.

**You can choose the right media retainer for your application, but the Leopold tradition of engineering excellence comes standard with both.**

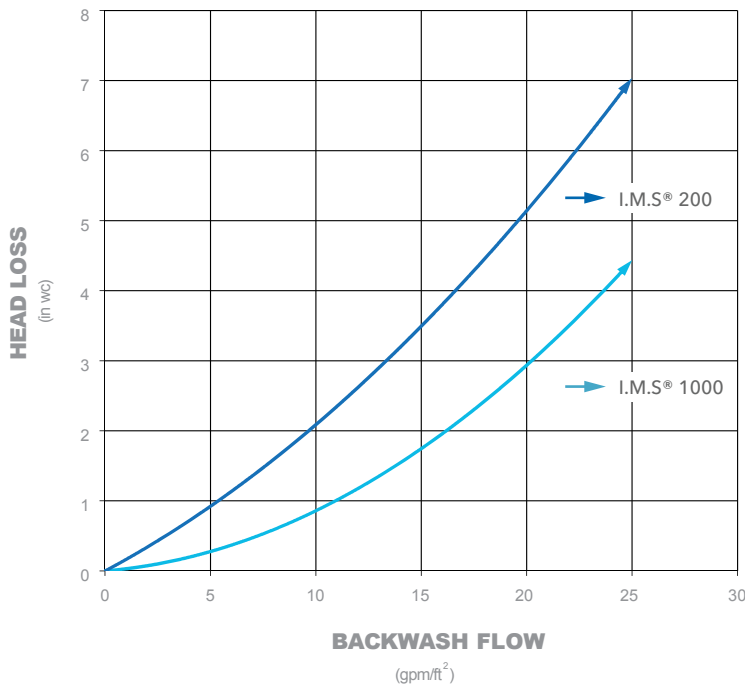
You now have two superior solutions for all your water and wastewater treatment applications. Both the I.M.S.<sup>®</sup> 200 and the I.M.S.<sup>®</sup> 1000 are engineered to ensure a highly uniform distribution of air and water during the backwashing process. Thanks to its solid construction of high strength thermoplastic with precision engineered injection molded slots, these media retainers eliminate dead zones and provide longer filter runs reducing overall operating costs.



## Flexibility, affordability, performance, and reliability. What more could you ask for?

Beyond exceptional, worry-free performance, the I.M.S.<sup>®</sup> media retainers deliver a host of other benefits including lower capital expenditures related to its ease of installation and potential for a smaller vertical footprint, reduced operational expenses due to longer filter runs using less water and energy, and the product's performance over an extended period of time. And, the most important benefit being the reliability and support of one of the most trusted names in water treatment.

### Headloss during backwash is similar to the gravel it replaces



### I.M.S.<sup>®</sup> 200

- Suitable for drinking water plants, biologically active filters, and desalination plants
- Precision engineered 0.2 mm slots support media down to 400 microns to prevent sand and media penetration and make it easier to quality control your water treatment system
- Allows for more available media expansion for better backwashing and improves the air and water distribution for cleaner media\*
- More driving head results in longer filter runs\*
- Every I.M.S. 200 media retainer is 100% dimensionally inspected via an automated vision system with the capability of detecting anomalies as small as 10 micron in size
- A narrow water flow path makes the system easier to clean during standard backwash operations\*
- Eliminates gravel migration or gravel disturbances caused by unforeseen events\*
- Reduces installation time resulting in lower installation cost and can be field removed for inspection then reinstalled with standard tools\*

### I.M.S.<sup>®</sup> 1000

- Suitable for wastewater plants; in GAC contractors, in biologically active filters, and in the construction of filters for denitrification
- Precision engineered 1 mm slots support media down to 1700 microns and is less prone to fouling than a porous plate (since biological growth will not bridge a gap greater than 0.8 mm)
- Physically rigid design reduces flexing and withstands pressures up to 15 psi\*
- Reduces the vertical footprint 28 cm to 35 cm (11"-14") by eliminating the gravel layer\*
- Increases freeboard 28 cm to 35 cm (11"-14") to allow for media expansion and extended concurrent air/water backwashing\*

\* Indicates feature of both I.M.S.<sup>®</sup> 200 and I.M.S.<sup>®</sup> 1000



I.M.S.<sup>®</sup> 200



I.M.S.<sup>®</sup> 1000



Xylem, Inc.  
14125 South Bridge Circle  
Charlotte, NC 28273  
Tel 704.409.9700  
Fax 704.295.9080  
855-XYL-H201 (855-995-4261)

