

I.M.S.[®] 200 and I.M.S 1000 media retainers

I.M.S 200 and I.M.S 1000 media retainers from Leopold[®] - designed to improve the efficiency and reliability of both water and wastewater filtration systems.

Providing a more effective option than gravel, these next generation media retainers are carefully engineered to enhance the superior performance and worry-free operation of the Leopold underdrain system. The I.M.S 200 and I.M.S 1000 media retainers increase flexibility in media design by replacing up to 35 cm (14") of support gravel, increasing the available room in the filter for additional media depth or increased filter freeboard.



Choose the right media retainer for your application - the Leopold tradition of engineering excellence comes standard with both.

The I.M.S media retainers are engineered to ensure a highly uniform distribution of air and water during the backwashing process. Thanks to their solid-construction of high strength thermoplastic and precision engineered injection molded slots, these media retainers eliminate deadspaces and provide longer filter runs reducing overall operating costs.

I.M.S[®] 200 and I.M.S 1000 PRECISION ENGINEERED MEDIA RETAINERS

Performance, flexibility, reliability and affordability. What more could you ask for?

Beyond the exceptional efficiency, the I.M.S media retainers deliver benefits including lower capital expenditures related to ease of installation and small vertical footprint, reduced operational expenses due to longer filter runs using less water and energy, and performance over an extended period of time.

I.M.S 200 features

Suitable for drinking water plants, water reuse applications, GAC contractors, biologically active filters, and desalination pretreatment

Engineered slots support media down to 400 microns to prevent sand and media penetration and make it easier to quality control your water treatment system

I.M.S 1000 features

Suitable for wastewater plants; in GAC contractors, in biologically active filters, and in the construction of filters for denitrification

Engineered 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

Features of both I.M.S 200 & I.M.S 1000

Increases freeboard 28 cm - 35 cm (11"-14") to allow for media expansion and extended concurrent air/water backwashing

Reduces vertical footprint 28 cm - 35 cm (11"-14") by eliminating the gravel layer

Improves air and water distribution and media expansion for better backwashing and cleaner media

Increases driving head for longer filter runs

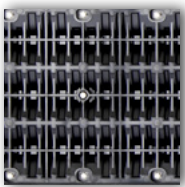
Creates a narrow water path to make the system easier to clean during standard backwash operations

Reduces installation time and can be removed, inspected, and reinstalled in the field

Withstands pressures up to 15 psi due to reduced flexing and the rigid design

Eliminates gravel migration or gravel disturbances caused by unforeseen events

Every I.M.S media retainer is 100% dimensionally inspected via an automated vision system with the capability of detecting anomalies as small as 10 microns in size



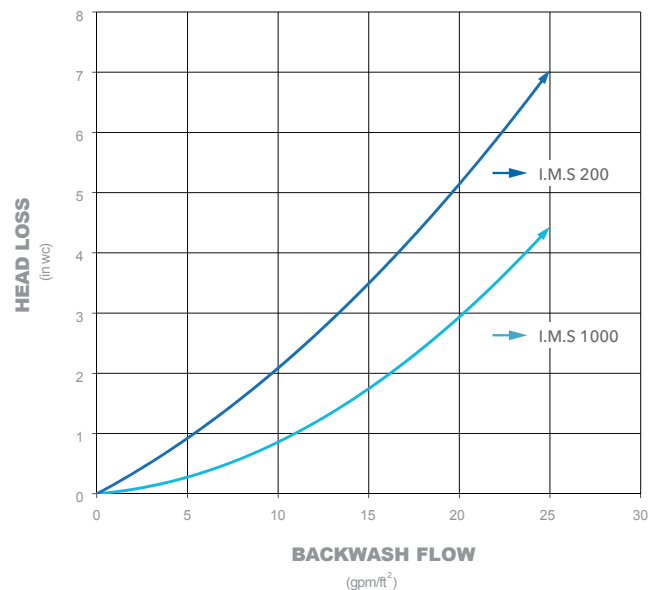
I.M.S 200



I.M.S 1000



Head loss during backwash is similar to the gravel it replaces



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