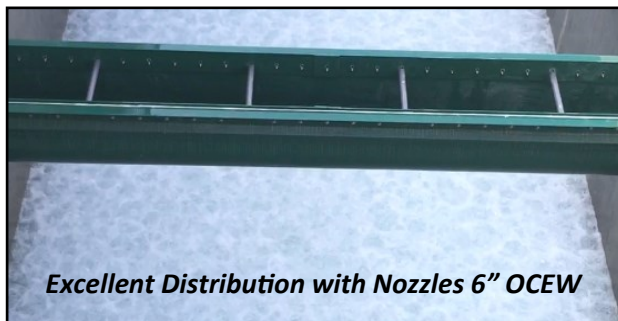
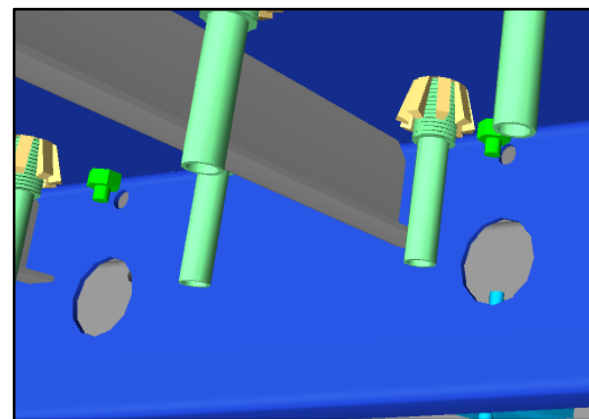


MAXIMUS™ Free-Flow Filter Underdrain

Fast-Installing, Robust Stainless Steel System with Excellent Distribution

MAXIMUS™ “free-flow” filter underdrains solve numerous performance and installation issues, and provide excellent distribution, robust construction, and quick commissioning. Constructed of 10-gauge stainless steel, MAXIMUS is chemically-anchored to the filter floor using stainless steel hardware for quick installation. The patent-pending MAXIMUS features a low, 6” profile that provides increased filter media depth or operational freeboard in retrofit applications. Equalizing orifices between nozzle plate supports provide free-flow of water and air across the entire underdrain plenum footprint, eliminating the flow distribution and pressure differential problems associated with plastic block and triangular lateral style systems.



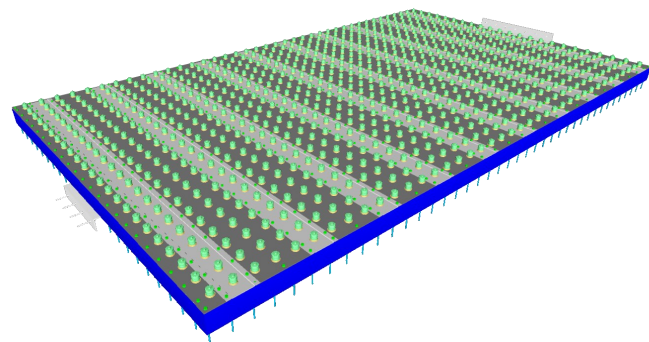
Excellent Distribution with Nozzles 6” OCEW

ORTHOS Type D nozzles with built-in pressure differential are installed into the MAXIMUS plates on 6” centers each way to further ensure excellent distribution and to cast aside problematic gravel or other support media. Long-lived gaskets and stainless steel hardware seal adjoining nozzle plates, the plates to the perimeter frame, and the frame to the filter floor to fully encapsulate MAXIMUS.

Front- and Center-Flume as well as H-Flume (or Upper/Lower Gullet) arrangements may all be adapted into by MAXIMUS.

Retrofits of concrete-tankage, granular media filters are perfect applications for MAXIMUS, though because of its relatively-quick installation, new, “greenfield” applications are certainly deserving of consideration.

MAXIMUS eliminates a number of problems by effectively creating a 10-gauge plate underdrain with free-flow orifices that in turn create an open plenum, and with nozzles on 6” centers each way, excellent flow distribution and media cleaning is assured.



Poseidon Filtration System®

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