

Wastewater Clarifier Baffle

General Information:

The Wastewater Clarifier Baffle is a smooth deflector screen fitted near a clarifier's outlet, acting as a scum baffle that holds back floating solids and evens out flow before effluent leaves the tank. The same design also suits grit chambers and decanters, where guiding flow evenly matters just as much. The screens are light and resistant, easily removable for cleaning, and can be adapted to the particular dimensions of the concrete compartment. A fixing system using omega-type profiles absorbs irregularities in the surrounding walls.

The system is highly resistant to corrosion and requires no maintenance.



Each screen is designed specifically for the equipment it serves, and is manufactured in modules of various sizes, assembled vertically using rail guides. This allows easy assembly and disassembly to support maintenance on site.

Design Features:

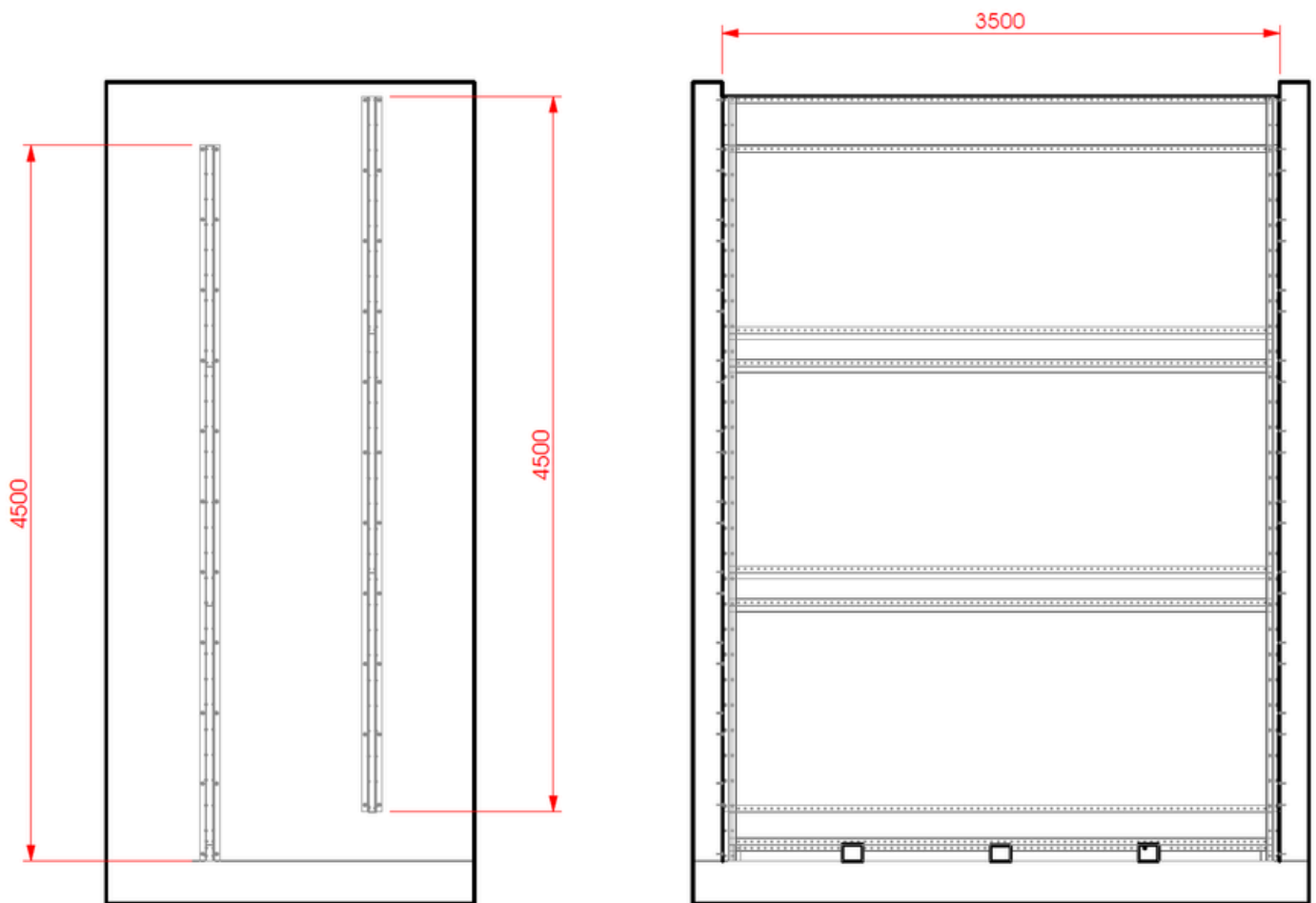
- The panel construction material is EN AW 6063 aluminium; perimeter frames and fixings are AISI 316L stainless steel, suitable for sanitary use
- Designed to European standards
- Matrix and finite element calculation, as required
- Each design is supplied with drawings and specific mounting instructions for that installation
- Suitable for installations with different shapes and geometries
- Aluminium-magnesium-silicon alloy 6063, approved for food-grade (alimentary) use
- For added protection in water use, a 25-micron anodised finish is applied to Qualanod quality standard (edition 01.01.2019) or equivalent



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Advantages of the Wastewater Clarifier Baffle

- Lighter than GRP and easier to manage for installation and handling
- Tray design adaptable to the mechanical needs of the system
- Modular system that adapts to the dimensional needs of the screen
- AISI 316L stainless steel and EN AW aluminium profiles suitable for food-grade use
- Installation height adjustable by means of easily set stops
- Non-polluting in relation to GRP, which carries disposal costs at end of life
- Aluminium is resistant and non-flammable, and protects itself against corrosion by forming a uniform layer of alumina across its surface
- Aluminium is easily modified to adapt to various shapes
- Pre-assembled modules minimise on-site installation and are easily removed vertically



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