

AQUAFLOC
SEDIMENTATION
SYSTEMS



Water Maid

AquaFloc™ sedimentation
systems

watermaid

a MELLIFIQ brand

Introducing Water Maid AquaFloc™ Heavy particle separation system

The sustainable solution for effective particle separation in water treatment. Designed to surpass industry standards, our modular systems effortlessly tackle suspended solids, heavy metals, and persistent pollutants.

Mellifiq's Water Maid AquaFloc series offers versatile particle separation solutions, ideal for addressing suspended solids, heavy metals, and groundwater pollutants. These modular systems are adaptable for both temporary and permanent installations, ensuring compliance with environmental regulations.

Installation flexibility allows placement in outdoor or industrial settings, serving as effective pretreatment for advanced water treatment processes. Mellifiq provides comprehensive services, from configuration to ongoing support, streamlining water treatment for clients.

The AquaFloc series excels in various applications, including groundwater remediation and construction site installations, complementing Mellifiq's other solutions seamlessly. Its operational efficiency is rooted in multi-compartment plug-flow processes, utilizing flocculation and settling techniques for optimal particle removal.



BENEFITS

- Compliance with environmental regulations assured
- Versatile solutions adaptable to diverse environments
- Efficient removal of suspended solids and pollutants
- Comprehensive services ensure seamless operation
- Modular design offers flexibility in installation
- Simplified water treatment process

AQUAFLOC SEDIMENTATION SYSTEMS

TECHNICAL SPECIFICATIONS

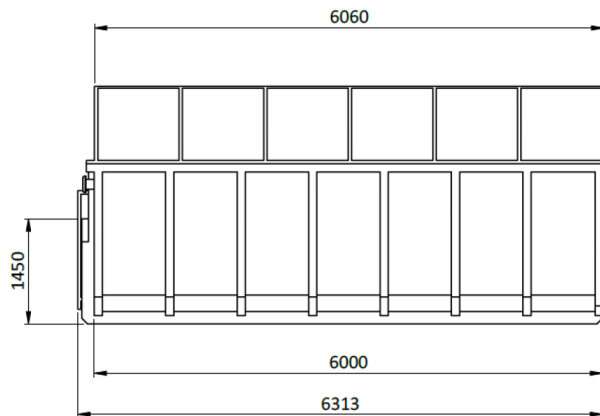
AquaFloc™ model	24-S	24-M	30-S	30-M
Active treatment volume(m ³)	24	24	30	30
Capacity (m ³ /h)*	15	12	20	16
Number of active zones	2	3	2	3
Mixer types	High-speed vertical agitator	High-speed vertical agitator and low-speed mixer	High-speed vertical agitator	High-speed vertical agitator and low-speed mixer
Power use (kW)**	0.85	1.1	0.95	1.2
Size (LxWxH, m) ***	6.3x2.6x2.6	6.3x2.6x2.6	6.3x2.6x4.4	6.3x2.6x4.4
Weight (kg)	3000	3000	3400	3400

*Nominal flow for 100 mg/L SS with focculant.

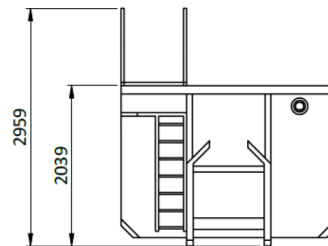
**Includes agitators, pH dosing system at nominal conditions.

***Does not include external components such as hoses or dosing systems.

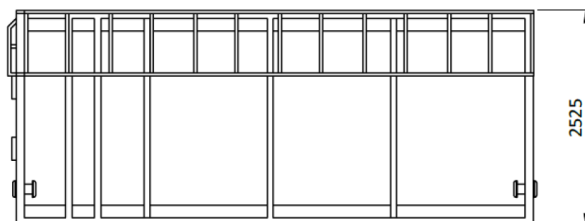
FRONT VIEW



SIDE VIEW



TOP VIEW



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ACCESSORIES AND AUXILIARY EQUIPMENT

Type	Purpose	Description
High speed mixer	Flocculation mixing with incoming feed water (standard)	Max 1150 rpm, 0.75 kW 3-phase 220/400V 50/60Hz
Low speed mixer	Floc suspension zone mixer (optional)	Max 100 rpm, 0.25 kW 3-phase 220/400 50/60Hz with gearbox
pH dosing station	Active pH control of water in mixing or floc suspension zones (standard)	PID controller (option) or manual dosing rate (standard) with pH sensor, signal cables, industry grade dosing pump and caustic/acid container
Flocculant dosing station	For dosing of flocculant for high rate sedimentation in settling ozone (standard)	Manual dosing set-point, signal cables, industry grade dosing pump and chemical container
Submersible heater	Heating of feed water with submersible heaters for cold climates or winter conditions (option)	2000W, 220V, stainless steel construction with thermostat
Submersible pump	Submersible pump for effluent (option)	0.75 kW 1-phase submersible pump
Winter kit	External heater kit for cold winter conditions and outdoors use to avoid freezing (option)	2-5 kW range with heater cables and thermostat
Lamella system	Increased settling rates in floc settling ozone	Floor lamella system 45 deg

Please contact Mellifiq to adapt and configure your Water Maid Aqueduct system according to your needs and conditions.

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About Mellifiq

Mellifiq is a multi-awarded environmental service company group, that has since the early nineties evolved into a world leading system and solution provider with multiple groundbreaking applications for industrial, municipal, and real estate clients. We supply cutting-edge technologies to manage the most sophisticated air, water, and energy challenges.

Mellifiq offers a complete range of air and water treatment technologies and solutions across multiple industries such as processing industry, energy sector, food and beverage, pharmaceutical, wastewater treatment and commercial real estate.

Mellifiq offers strong and renowned brands, such as Ozonotech, Nodora and Water Maid, and world-class engineering services combined an excellent track record of more than 40 years of innovation. We help our clients achieve the most efficient and sustainable solutions while creating the maximum value for their businesses.

With several business units across Europe, Mellifiq is headquartered in Stockholm where research and development, production, QA and certification all take place. Our unique technology and our extensive expertise have made us the Center of Excellence for the world's most complex projects, and a global player with installations on all six continents.

Everyday millions of people rely on our solutions for ventilation, disinfection, sanitation, and odor control. We are committed to raising the bar for the concept of clean and the industry standard for engineering, technical services and general contracting.

For additional information, visit our website at www.mellifiq.com

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