



# Q-FLOQ W<sup>TM</sup> Series

Water-Based Dispersion Flocculants  
for Safe, Efficient, and Sustainable  
Wastewater & Sludge Treatment.

OQEMA is one of the leading full-line distributors in Europe for commodities and specialties combining deep market expertise with technical support from specialised labs to deliver tailored solutions that meet the unique needs of our partners.

Always reliable. Always responsive. Always on-site.

OQEMA Water Solutions offers innovative, eco-friendly solutions that are as diverse as our customers' needs. Specialising in wastewater and process water treatment, we deliver tailored, reliable, and innovative solutions that prioritise efficiency and sustainability. Beyond supplying high-quality products to tackle water challenges across different industries, OQEMA also brings technical expertise directly to your site, supported by mobile labs and on-the-go experts.

#### KEY FIGURES 2024

##### BN. € TURNOVER

1.5

##### PRODUCTS

15,000

##### EMPLOYEES

1,600

##### COUNTRIES

25





## Q-FLOQ W™

The Q-FLOQ W™ Series offers an innovative product line of water-based dispersion flocculants in a liquid formulation, crafted from polyacrylamide, salt, and water. This unique composition enables enhanced safety, efficiency, and sustainability, while delivering robust performance for effective wastewater and sludge treatment.

### APPLICATIONS

Our flocculants are designed for versatility, supporting a broad spectrum of applications, including wastewater treatment, drinking water purification, digestate processing, pulp and paper production, oil and gas operations, and sludge dewatering. Tailored to meet specific industry requirements, the Q-FLOQ W™ Series range offers cationic, anionic, nonionic, or amphoteric options, with products featuring medium to very high molecular weights and adjustable crosslinking levels to optimize performance across varied conditions.

### Q-FLOQ W™ SERIES VS. CONVENTIONAL EMULSION POLYMERS

The Q-FLOQ W™ Series stands apart from traditional emulsion polymers as a safer, greener, and more efficient choice in liquid flocculants. Q-FLOQ W™ is uniquely formulated without mineral oils or surfactants, making it an ideal solution for sludge treatment in circular economy practices. Sludge treated with conventional emulsion polymers often becomes unsuitable for use as fertilizer or feedstock for digesters. In contrast, sludge processed with Q-FLOQ W™ retains its compatibility for these applications, enabling more environmentally friendly waste recovery and reuse.

### KEY ADVANTAGES OF Q-FLOQ W™ SERIES

- **Water-Saving:** Enables use of high-conductivity water and allows up to 5 % flocculant solution, reducing reliance on clean water.
- **Versatile & Compatible:** Easily mixes with other polymers of the same charge type.
- **Fast-Dissolving:** Rapidly dissolves in water, enabling direct dosing of the pure product with inline static mixers.
- **Eco-Friendly Composition:** Free from surfactants and mineral oils, offering cleaner downstream benefits.
- **Circular Economy Ready:** Produces mineral oil-free sludge, ideal for reuse as fertilizer or digester feedstock, unlike conventional emulsions.
- **Reduced Carbon Footprint:** Delivers a lower PCF (product carbon footprint) compared to emulsions.
- **No Added COD:** Does not increase chemical oxygen demand in water systems due to its absence of organic additives.
- **Resistant to conductivity:** Able to work efficiently in waters of up to 10.000 µS, which also means that the Flocculant solution can be prepared with recycled wastewater.



**ANIONIC FLOCCULANTS**

Product	Charge	Molecular Weight	Properties
Q-FLOQ WA 153	Low Anionic	High	
Q-FLOQ WA 361	Medium Anionic	Very High	
Q-FLOQ WA 363	Medium Anionic	High	
Q-FLOQ WA 552	High Anionic	High	
Q-FLOQ WD 361	Medium Anionic	Very high	Drinking water grade

**CATIONIC FLOCCULANTS**

Product	Charge	Molecular Weight	Properties
Q-FLOQ WC 131	Low Cationic	Medium	
Q-FLOQ WD 142	Low Cationic	Medium	Drinking water grade
Q-FLOQ WC 142	Low Cationic	High	
Q-FLOQ WC 322	Medium cationic	Medium	
Q-FLOQ WC 342	Medium Cationic	High	
Q-FLOQ WC 343	Medium cationic	High	
Q-FLOQ WC 552	High Cationic	High	
Q-FLOQ WC 642	High cationic	High	
Q-FLOQ WC 822	Very High Cationic	Medium	
Q-FLOQ WC 852	Very High Cationic	High	

**CATIONIC CROSSLINKED FLOCCULANTS**

Product	Charge	Molecular Weight	Properties
Q-FLOQ WX 342	Medium Cationic	High	Medium Crosslinked
Q-FLOQ WX 433	Medium Cationic	High	Medium Crosslinked
Q-FLOQ WX 522	High Cationic	High	High Crosslinked
Q-FLOQ WX 532	High Cationic	High	Medium Crosslinked
Q-FLOQ WX 642	High Cationic	High	Medium Crosslinked
Q-FLOQ WX 822	Very High Cationic	High	High Crosslinked
Q-FLOQ WX 832	Very High Cationic	High	Medium Crosslinked

**OTHER SPECIALITY FLOCCULANTS**

Product	Charge	Molecular Weight	Properties
Q-FLOQ WN 042	Nonionic	High	
Q-FLOQ WZ 132	Amphoteric	Medium	Great affinity With Q Tan 225
Q-FLOQ WZ 332	Amphoteric	Medium	Great affinity With Q Tan 225

All products can be requested with very low residual acrylamide

## OQEMA. We make the world go round.

Formed in 1922, the OQEMA Group has consistently developed. For the last 25 years our growth throughout Europe and the rest of the world has resulted in us becoming one of the leading global chemical distributors. Our pioneering spirit and entrepreneurial approach has resulted in refined sourcing capabilities and market expertise. Our strategic supply network ensures that we are there where you need us, when you need us! Welcome to our world!

We have been growing constantly and are present all across Europe – close to our customers and ready to serve their needs.

### NETWORK

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Contact us.

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