



IXOM

NUTRIFLOC®

Product Overview

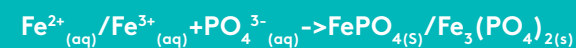


Nutrifloc® provides the following benefits:

- **Phosphorous Removal** – Nutrifloc® removes phosphorous in wastewater treatment plant effluent.
- **Assists Existing Plant** – The presence of Nutrifloc® compliments biological phosphorous removal without affecting the nitrification/denitrification process.
- **Easy to Install** – Nutrifloc® dosing allows phosphorous removal without significant plant modifications and capital expenditure.
- **Flexible** – Nutrifloc® degree of treatment can be varied by changing the dose rate. Nutrifloc® can be used where seasonal phosphorous limits are imposed.
- **Odour control** – Nutrifloc® will also remove dissolved sulphides from wastewater, therefore reducing odours that may be caused by hydrogen sulphide.
- **Treatment plant benefits** – Nutrifloc® dosing has the added benefit of increased sludge density and settleability.
- **Lower operational costs** – Nutrifloc® is a low cost, effective solution for phosphorous removal.

Nutrifloc® is a ferrous iron (Fe²⁺) based salt, suitable for phosphorous removal for sewage treatment.

The precipitated phosphorous will be removed via waste sludge from secondary sedimentation.



Dosing can be achieved from a bulk storage installation or for smaller applications it can be dosed from one of Ixom's relocatable storage and dosing units.



Figure 1: Ixom's self-contained Chemical Dosing Units (CDUs™)

What's your challenge?

Ixom has a wide range of capabilities to ensure we can meet your challenge.

- All the chemicals you need for water and wastewater treatment in one place.
- Stock management made easy with Ixom monitored telemetry.
- Advice for selecting and implementing the right solution from Ixom's experienced team of scientists, engineers and technical specialists.
- Practical, customised and innovative engineering solutions from Ixom's Water Treatment Services team.
- Support when you need it on 1800 033 111 with 24/7 Ixom Emergency Response Service.
- Quality product manufactured and distributed according with ISO 9001 approved quality processes.



Figure 2: Ixom's Bullet™ self-bundled chemical dosing system (no requirement for expensive concrete bund)

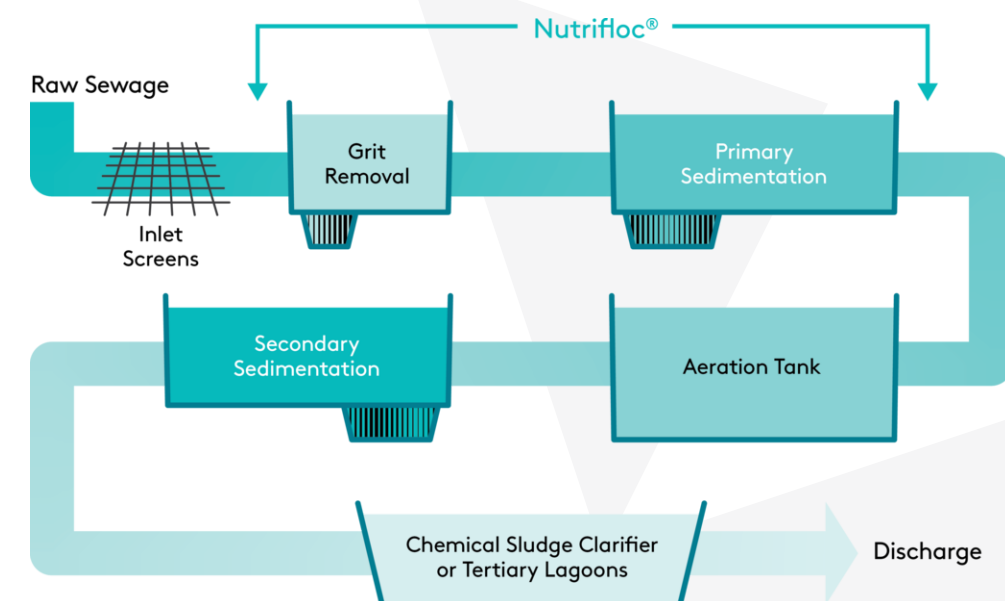


Figure 3: Nutrifloc® dosing points for phosphorus removal.

Water utilities and manufacturers are facing new challenges:

- **Environmental compliance** – increasing regulation and standards around wastewater discharge
- **Increased cost focus** – increasing demands for wastewater treatment systems to do more while spending less
- **Public awareness** – the public is more aware and sensitive to the effects of high nutrient loads in waterways such as algal blooms
- **Innovative solutions** need to be found to ensure continued success

At Ixom we thrive on solving our customers' challenges and have a range of solutions to meet any need

Nutrifloc® is an easy to use solution that is used to reduce the levels of phosphorous in wastewater streams which could otherwise lead to license exceedances and algal blooms in nearby waterways.



Solving Your Challenges for Generations



IXOM

2015 - Beyond

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2015

Ixom separates from Orica as a stand-alone company and remains a market leader in water treatment and chemical distribution in Australia and New Zealand, with a growing presence in Latin America and Asia.

2000s - 2015



2008

Chemnet, Watercare and Chlor Alkali businesses merge to form Chemicals Group

2005

Chemnet's specialty distribution business expands with acquisition of Keith Harris Flavours and Fragrances Watercare and Speciality Services businesses acquire Aluminates Chemical Industries

2001

Orica Watercare Inc. incorporated in USA

1970s - 1990



1997-98

ICI divests ICI Australia shareholding and the independent ICI Australia becomes Orica

1990s

Nutrifloc® is first used to solve wastewater phosphorous removal challenges

1988

Watercare Division established

1971

ICI ANZ becomes ICI Australia

1920s

1928

Imperial Chemical Industries of Australia and New Zealand (ICI ANZ) registered

What's your challenge?

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Issue Date: March 2018

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