
RANGE OF WATER TREATMENT PRODUCTS

- **WATER TREATMENT POLYMERS**
 - **EFFLUENT TREATMENT POLYMERS**
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There are several factors that affect flocculation in general, such as the concentration of suspended solids, pH, dissolved products, etc. These factors are so sensitive that polyelectrolytes may even need to be used to purify river water.

These circumstances have led to the development of **HIMOLOC/HYfloc** products, which are continually under review and improvement.

The **HIMOLOC/HYfloc** series consist of suspended, solid or liquid polymers of high molecular weight, soluble in water, with a broad scope of application and capable of treating any suspension.

The range of **HIMOLOC/HYfloc** flocculants is extensive, because no one flocculant is capable of effectively being applied to all kinds of systems. We have a wide range of products, with different compositions, load density and molecular weight values, capable of solving all your problems.

APPLICATIONS

Industrial Water	Clarification of feed water
	Clarification of waste water
	Dehydration
Potable Water	Water clarification
	Sludge dehydration
Municipal Water	Primary clarification treatment
	Sludge thickening
	Sludge dehydration

Bulking control

Paper

Clarification of feed water

Clarification of waste water

Recovery of strained water

Load and fibre retention

Drainage

Sludge dehydration

Clarification of white and green liquors

Mining

Clarification and filtering of carbon water

Zinc refining process

Clarification of mineral wash water:

Carbon, Copper, Zinc, Uranium, Gold, Aluminium, etc.

Iron and steel

Clarification-sedimentation of waste water

Sludge dehydration

Separation of emulsified waters by cutting oil

Non-ferrous metals

Clarification-sedimentation of waste water

Surface treatment: Galvanising, anodising (copper, aluminium and others)

Chemical Industry

Sedimentation of magnesium hydroxide

Titanium dioxide process

Flotation of waste water from latex manufacture

Flotation of waste water from resin manufacture

Clarification of waste water

Sludge dehydration

Machinery and Car Industries

Clarification of waste water from the painting process

Clarification of emulsified waste water

Sludge dehydration

Food & Beverage Industry

Clarification of fruit juice, milk products, beer, etc.

Clarification of waste water

Sludge dehydration

Tiles

Removal of Kaolin from water

Clarification of waste water from glass, tile, manufacture, etc.

Textiles

Clarification of waste process water

Decolouration of water with residual dyes

Sludge dehydration

Tanning

Clarification of waste water

Sludge dehydration

Arids

Clarification-sedimentation gravel, sand, soil wash water, etc.

Sludge dehydration

Marble

Clarification of water from the polishing process

Sludge dehydration

Oil

- Flotation of process water oils
- Clarification of waste water
- Flotation of deballasting water

Results obtained in our lab will help us to design a possible industrial trial or solve a specific problem.

PRODUCTS AND DESCRIPTIONS

Reference

Description

**HIMOLOC DR,
HIMOLOC TG,
HIMOLOC DRX
HIMOLOC TI series**

This is a new and exclusive range of **cationic** acrylamide polymers, with different molecular weights and presented in an aqueous dispersion (they contain no solvents or surface-active agents). Exclusive technology developed to improve solid preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

HIMOLOC GO series

This is a new and exclusive range of **anionic** acrylamide polymers, with different molecular weights and presented in an aqueous dispersion (they contain no solvents or surface-active agents). Exclusive technology developed to improve solid preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

HYfloc FIC series

Cationic acrylamide polymers, with different molecular weights and presented in emulsion form. Polymers developed to improve solid preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

HYfloc LD series

Anionic acrylamide polymers, with different molecular weights and presented in emulsion form. Polymers developed to improve solid preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

**HYfloc XT,
HYfloc BP series**

Cationic acrylamide polymers, with different molecular weights and presented in granular powder or pearl form. Polymers developed to improve solid

preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

HYfloc SS series

Anionic acrylamide polymers, with different molecular weights and presented in granular powder form. Polymers developed to improve solid preparation, sludge dehydration, particle flocculation and colloid destabilisation processes involved in water purification systems.

**HYfloc K
HYfloc C
HYfloc Q
HYfloc RJ
HYfloc AC series**

High-charge cationic polymers developed to neutralise negative charges and destabilise suspensions, forming clots. They are presented in easy to apply liquid form and are a highly effective alternative to inorganic coagulants.

BIO K series

High-charge cationic polymers developed to improve biological processes.

HYfloc HA series

High-charge anionic polymer developed to neutralise suspensions with an excess positive charge.

ANTIESCUM DB series

Scum preventing or removing agents to avoid or eliminate scum.

HYPOL PWD series

Multi-functional polymers to provide very simple means of treating water. These coagulant, flocculant, neutralising and decolourant agents are presented in fine powder form.