



Let nature take care of nature!



GROVE[®]
Advanced Chemicals[™]

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care of nature!

Why treat contaminated water with chemicals
when you have a natural way?



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FLOX[®]-QT
GROVE[®] Advanced Chemicals[™]



FLOX[®]-QTH
GROVE[®] Advanced Chemicals[™]



FLOX[®]-QTP
GROVE[®] Advanced Chemicals[™]



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Internacionalization

Mercados Domésticos

Portugal
Spain
Germany
France
Italy

Other Markets

Europe

Holland
Belgium
Finland
Sweden
Switzerland

Asia

India
China
Malasia
Indonesia
Australia
Vietnam
Filipines

South America

Venezuela
Colombia
Ecuador
Bolivia
Chile
Argentina
Uruguay

Africa

Angola
Mozambique
Nigeria
South Africa



Ecological and biodegradable product

Non dangerous

Non pollutent

Very Small pH changes in the Effluent

Does not changes the conductivity of the water

Acts in a wide pH range

Creates less sludge volume (reducing sludge deposition costs)

Effective removal of the organic load (COD and BOD), suspended solids, oil, grease and diverse metals



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CERTIFICATIONS:



A modern, minimalist bathroom with white ceramic fixtures. In the foreground, a white toilet is on the left. Behind it is a white pedestal sink with a chrome faucet. To the right is a large, white, bowl-shaped freestanding bathtub. In the background, a white pedestal sink with two faucets is visible. The room has large windows looking out onto a green landscape and a body of water. The text "Ceramic Industry" is overlaid in white on the left side of the image.

Ceramic Industry

- **Benefits**
 - Flox does a 50-60% reduction in the dosage of the Coagulant;
 - ca. 90% Water re-use;
 - Elimination of use of the alkalizing agent;
 - 97-98% suspended solids removal;
 - 50-60% COD removal;
 - Decrease in corrosion and increase of equipment life expectancy;
 - High quality sludge for reintegration in production;



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Glass Industry

- Benefits
 - Flox did a 65-75% reduction in the dosage of the Coagulant;
 - Flox did a 40-50% reduction in the dosage of the Flocculant;
 - Elimination of use of the alkalizing agent;
 - 95-98% suspended solids removal;
 - Elimination of Aluminium of the treatment process;
 - Savings with Flox in comparasion with previous product in use: **40,000€/yearly**



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Dairy Industry



- Benefits
 - Reduction of Sludge volume (**aprox. 40%**);
 - Flox did a 45-55% reduction in the dosage of the Coagulant;
 - Flox contributed to a 50% reduction in the dosage of the flocculant;
 - 70-77% COD reduction;
 - 83-88% Oil & Grease removal;
 - Reduction in the operation of the centrifuge what brings savings in chemical consumption and energy;



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Woodfibreboard Industry

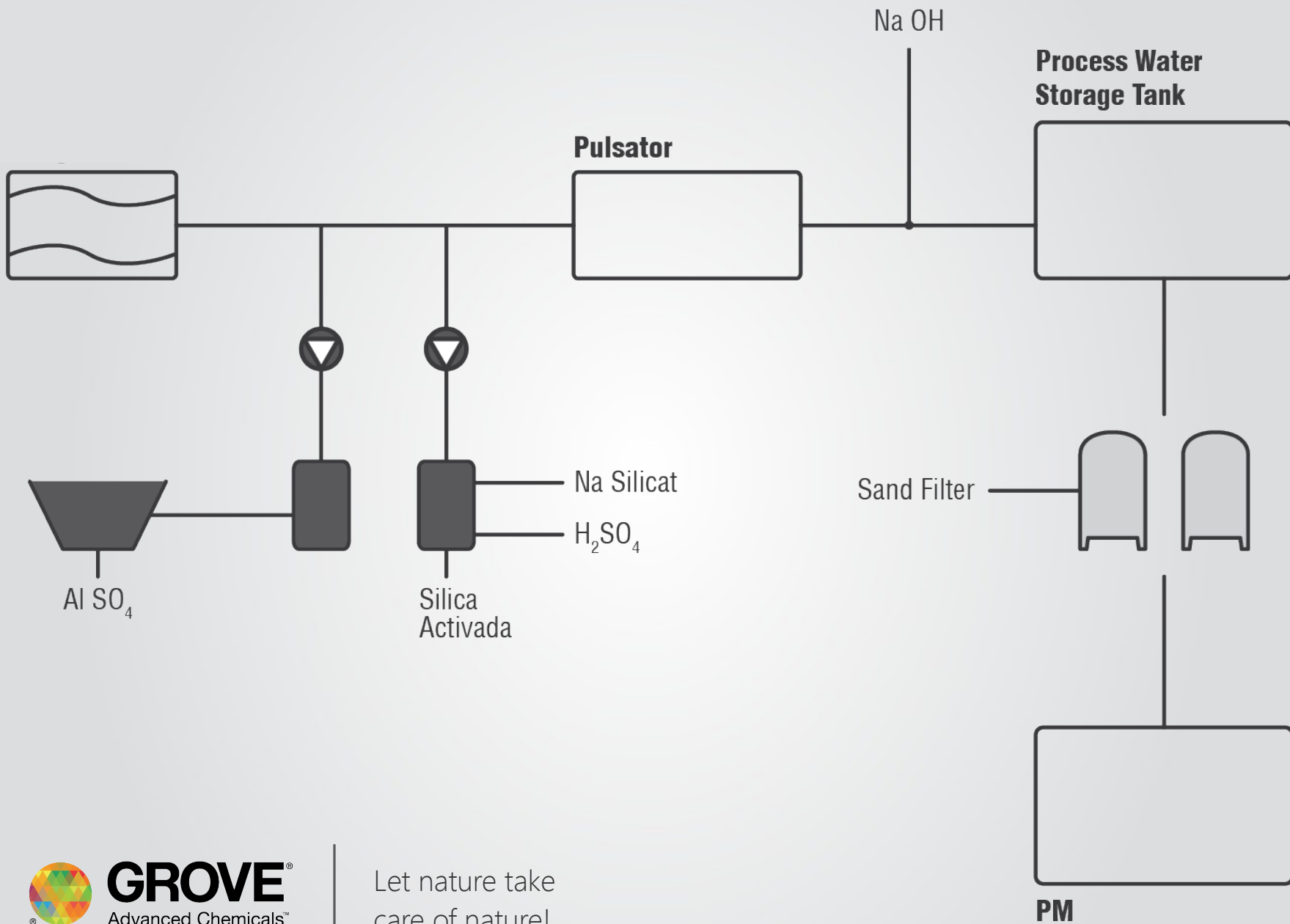
- **Benefits**
 - Flox did a 40-50% reduction in the dosage of the Coagulant;
 - Flox contributed to a 65-75% reduction in the dosage of the flocculant;
 - 80-85% COD reduction;
 - Reduced use of lime as alkalinizing agent in about 80%;
 - Reduced conductivity of the water with significant improvement of tertiary treatment, **increasing the durability of equipment (filters, membranes)**

Petrochemical Industry

- **Benefits**
 - Flox did a 45-55% reduction in the dosage of the Coagulant;
 - Approx. 96% removal of Total Oil&Grease;
 - 98% COD reduction;
 - Increasing the life of the activated carbon filter;
 - Reduction in the purchase of filter elements;

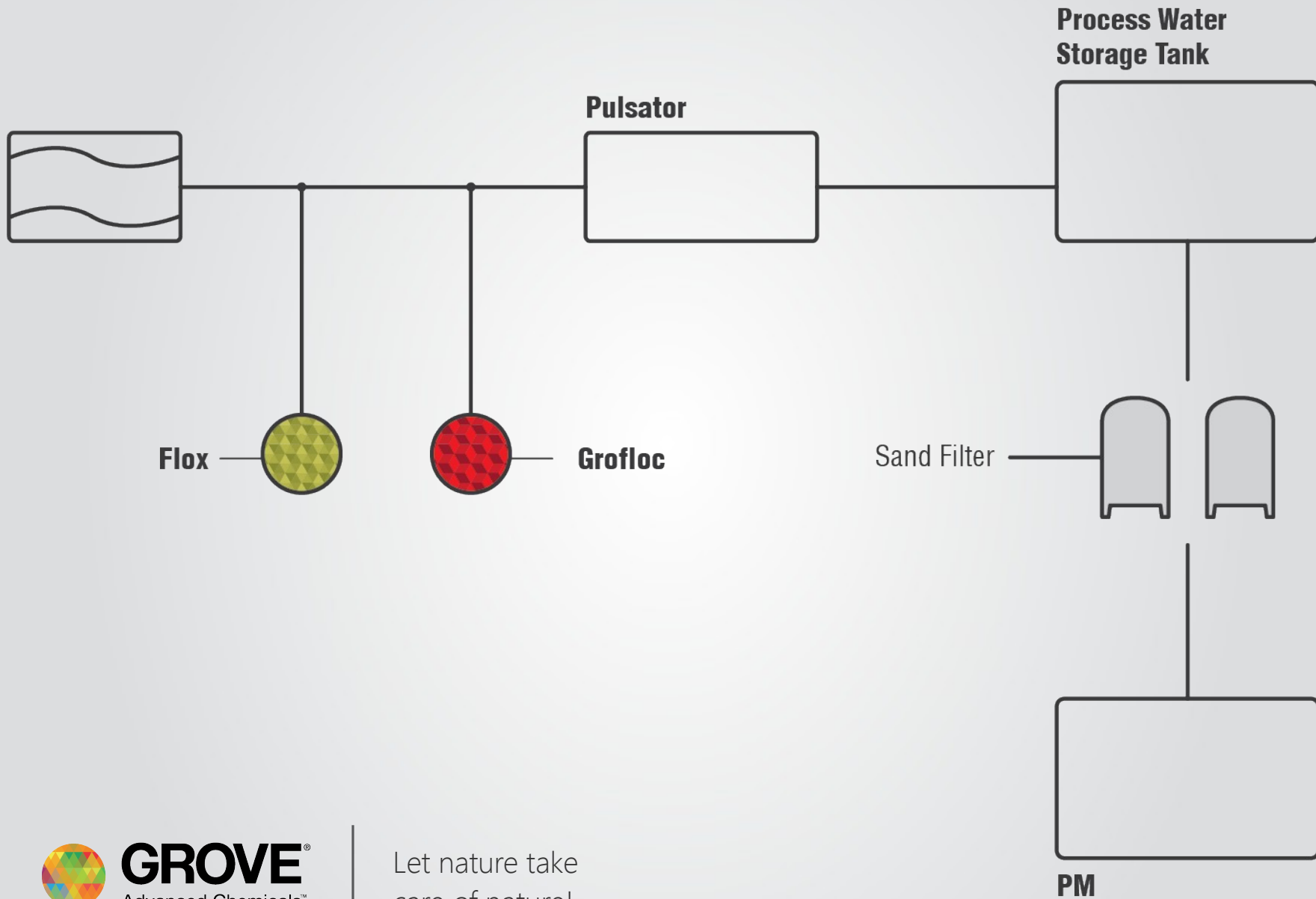
Flox in the Paper Industry

- Benefits
 - Flox did a 40-45% reduction in the dosage of the Coagulant;
 - Flox contributed to a 70-80% reduction in the dosage of the flocculant;
 - 95-99% Color removal;
 - Unchanged conductivity;
 - 89-92% Organic load reduction;
 - Elimination of alcalizing agents;



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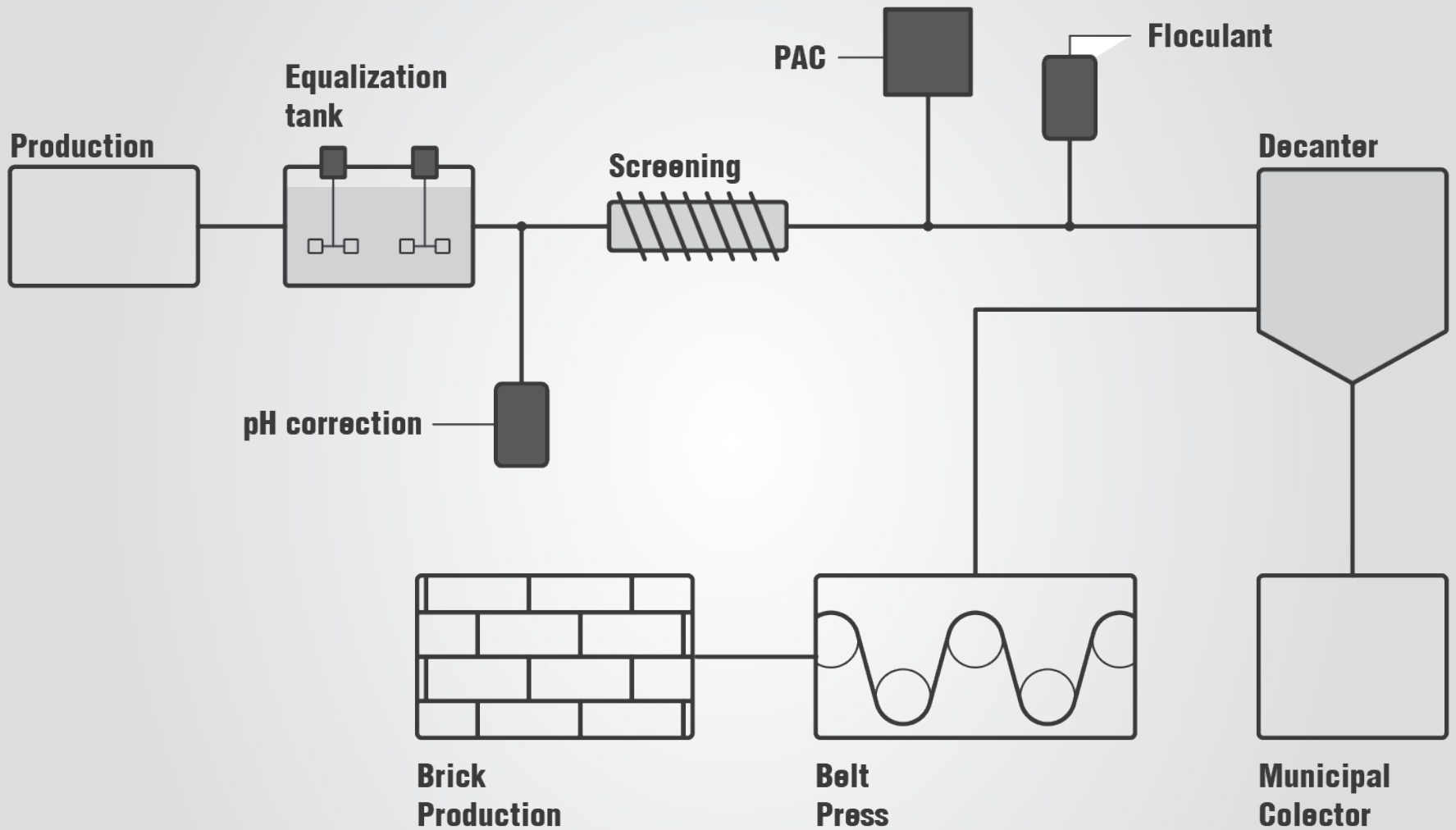


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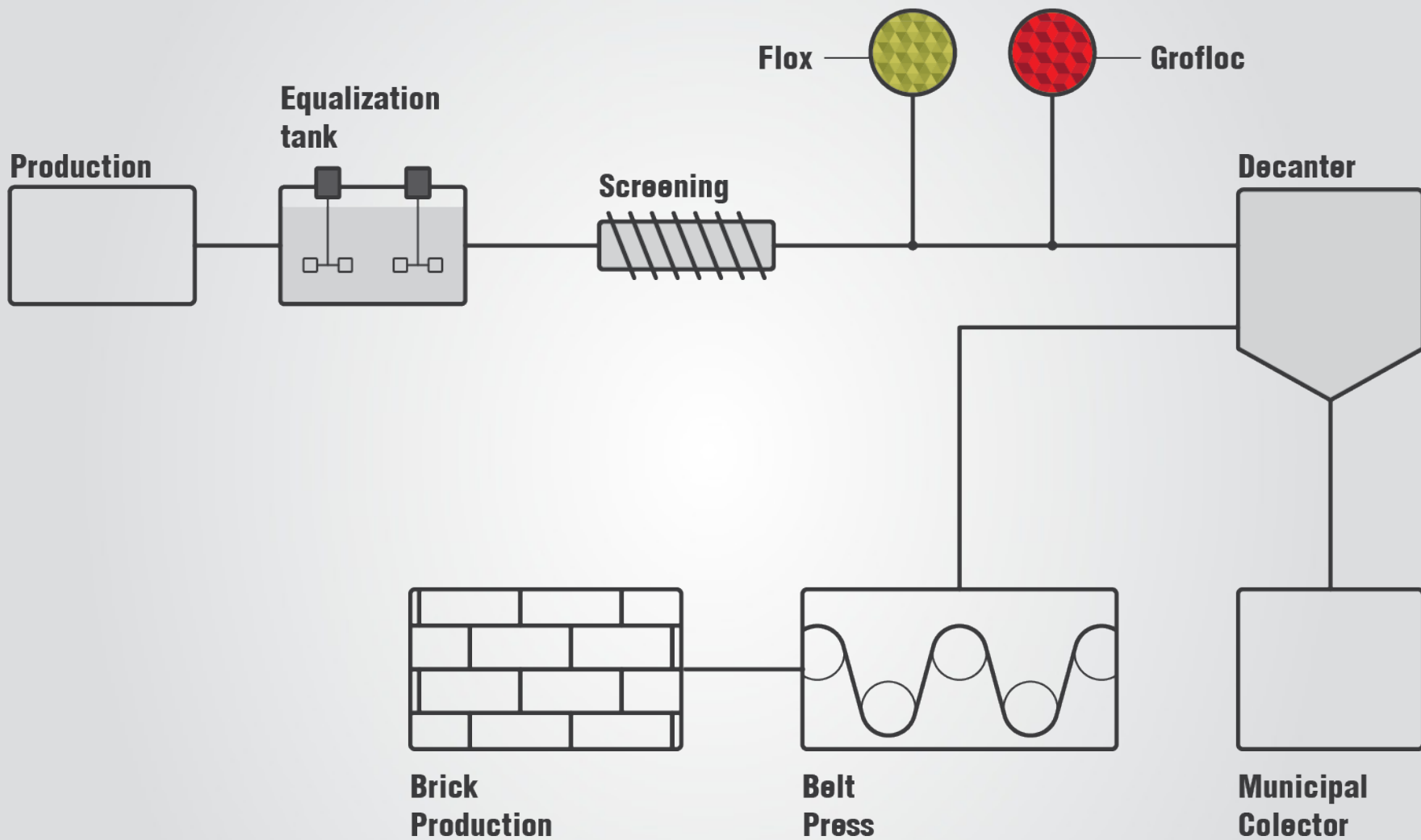
Flox in the Paper Industry

- **Benefits**
 - Flox did a 65-75% reduction in the dosage of the Coagulant;
 - Flox contributed to a 50-60% reduction in the dosage of the flocculant;
 - 60-70% COD removal;
 - 95-99% Turbidity removal;
 - Elimination of alcalizing agents;



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Thank you for your Attention!