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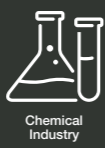
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Sewage Treatment Plants

Sealing



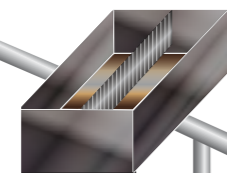
Mechanical Seals



Wastewater Treatment Process Phases

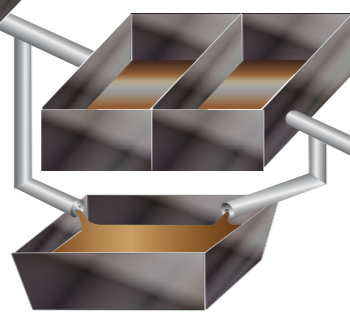
1. Screening

This process is extremely important: it eliminates most of the waste from the water to be treated, to prevent damages and blockages in pumps, valves and other elements.



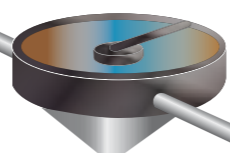
2. Pretreatment

Removal of sand and grease: the sand forms a sediment at the bottom and the grease rises to the surface due to flotation.



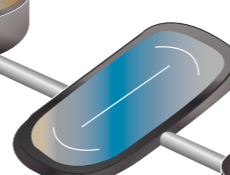
3. Primary Treatment

The sedimentable solids and the floating matter not eliminated in previous phases are separated again. This process does not exist in all water treatment plants.



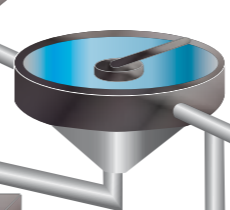
4. Biological Treatment

It reduces the organic matter content through micro-organisms and bacteria that consume it. The survival of these micro-organisms is assured by providing them with oxygen by pumping in air.



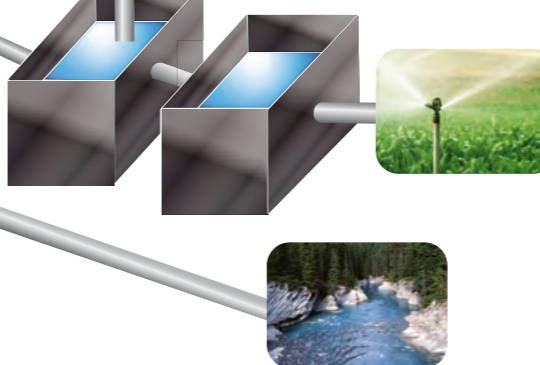
5. Secondary Clarifier

The treated water from the sludge generated during the biological process passes to the clarifiers.



6. Tertiary Treatment

It eliminates specific contaminants, toxins or non-biodegradable compounds and leaves the water in reusable conditions.



Added Value

Our experience and knowledge in the water treatment sector allows us to provide a serie of complementary services that meet the most common demands of a WWTP:

- Repair of mechanical seals: grinding and lapping contact surfaces, rectifying parts, substitution of components, etc.

- Repair of pumps and motors in contract workshops with proven experience.

- Training classroom for maintenance staff in all our products.

- Analysis of vibrations and monitoring in different parts of the treatment plant, based on an annual contract or on an occasional basis.



Antivibration



Chemicals Products



Benefits

In all water treatment phases, it is important to have technical products that guarantee the sealing and are also resistant to the demanding conditions of the processes. Nowadays, in the current setting of sensitivity regarding the responsible use of energy resources, special care must be taken in aspects such as:

- The correct alignment and operation of the pumps.
- The use of elastic couplings.
- The appropriate bearings.
- The selection of materials that are resistant to corrosion.

All these elements have an effect on reducing energy consumption and on the durability of other elements such as mechanical seals, which, in the long term, guarantee an improvement in the operation of the installations and fewer maintenance interventions.



Labyrinths



Fasteners

Bearings



Power Transmission

