

GRAPHALLOY® Bushings for Wastewater Treatment Plants

Wastewater treatment is tough. Rely on GRAPHALLOY bushings!

- Flocculators:** Stir incoming water to keep solids suspended until the water is sent to the clarifier.
- Clarifiers:** Settling tanks built with mechanical means for continuous removal of solids being deposited by sedimentation.
- Mixers:** Submersible mixers are suitable for a wide range of applications in municipal treatment plants. They provide mixing for agitating, blending, dissolving and suspension of solids.
- Storm Water Pumps:** For wastewater stations, the pumps reduce the amount of intermittent discharges of diluted sewage during storm conditions.

Where to use GRAPHALLOY

- ◆ Wastewater Treatment Plants (WWTP)
- ◆ Wastewater treatment systems
- ◆ Rotary Screens
- ◆ Mixers
- ◆ Pumps
- ◆ Wastewater Treatment Aerators
- ◆ DAF (dissolved air flotation) Wastewater System
- ◆ Wastewater Filtration Systems



Advantages of GRAPHALLOY

GRAPHALLOY Pillow and Flange Block assemblies and inserts eliminate maintenance and frequent replacements, providing increased reliability and many years of trouble-free operation.

- ◆ Self-lubricating: Requires no grease or oil. Permits continuous operation. Eliminates downtime.
- ◆ Submerged: Operates in submerged conditions and hostile liquids. Will not swell. No lubricant to wash out.
- ◆ Direct replacement inserts for industry standard pillow and flange block assemblies.
- ◆ Custom bushing sizes to fit your equipment



Applications

WWTP Flocculators (Potable Water Process)

Paddle wheels stir the incoming river water to keep the solids suspended until the water is sent to the clarifier. The paddles are mounted on long horizontal shafts through pillow block bearing assemblies. Bearings are fully submerged.

Standard Pillow Block Bearings (cast iron pillow blocks with roller bearings) are replaced with self-lubricating GRAPHALLOY.



WWTP FLOCCULATORS

WWTP: smaller scale (6 paddles total) but similar application as above. GRAPHALLOY inserts replace greased roller bearings.

Primary Clarifiers/Final Clarifiers/Clarifier Agitators

Clarifiers are settling tanks built with mechanical means for continuous removal of solids being deposited by sedimentation. GRAPHALLOY is used in bottom bearing and various pillow-block assemblies.



Waste Treatment Aerator: Condominium's Wastewater Treatment Plant

Waste Treatment Aerator: Babbitt-grade GRAPHALLOY bushings installed in custom housings. GRAPHALLOY lasted over 30+ years before replacement.

