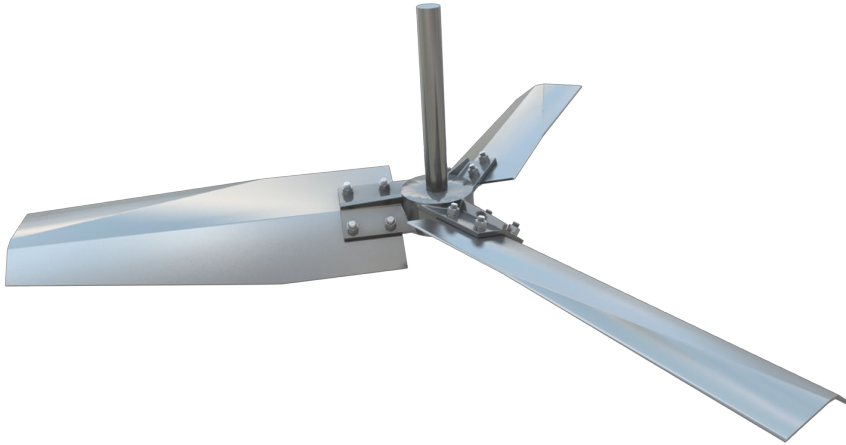
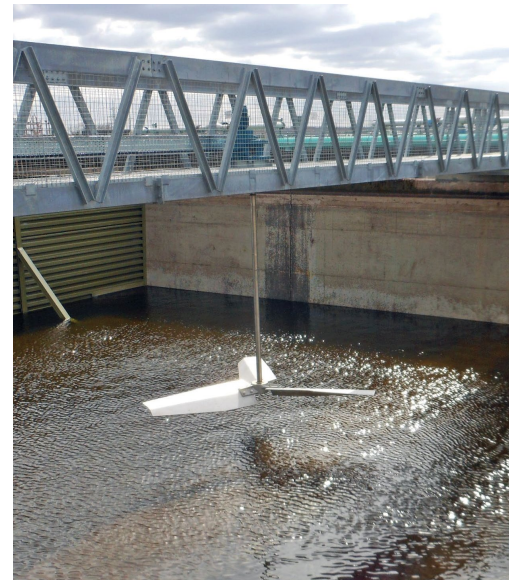


Chemineer™ XE-3 High Efficiency Impeller



The XE-3 impeller is designed to provide high flow and low shear with an optimized shape to maximize mechanical strength. Designed using high tech Laser Doppler Anemometry, Digital Particle Image Velocimetry, and Computational Fluid Mixing, the XE-3 impeller is always the right choice for flow controlled processes.

The XE-3 high efficiency impeller offers significant performance advantages and cost savings.



Installed XE-3 impeller at a wastewater treatment facility

Process Efficiency

- High axial flow for improved blending and solids suspension applications
- Possible reduction in the horsepower and size of the gear drive required to achieve the desired mixing result

Mechanical Design

- Decreases impeller weight by nearly 40% over other high efficiency impellers
- Longer in-tank shafts can be used without the need for steady bearings

Typical Flow Controlled Applications

- Storage Tanks
- Water and Waste Treatment
- Miscible Fluid Blending
- Chemical and Polymers
- Mining Applications
- Heat Transfer Applications with internal coils or jacketed vessels
- Solids Suspension Applications
- Mud Mixers
- Corn Processing and Ethanol

Upgrade Opportunity

- The impeller weight is similar or less than older, less efficient impeller designs
- The superior performance of the XE-3 high efficiency impeller can almost double a pitched blade impeller pumping rate at an equivalent torque level
- Can retrofit to Chemineer or competitors' older impeller designs



1-800-643-0641
chemineer@nov.com

nov.com/mixing

©National Oilwell Varco - All rights reserved - Rev 01