

Three dark grey, metallic impellers are arranged in a cluster. One is in the foreground, showing its spiral design and central hub. Two others are behind it, one partially obscured. The impellers have a smooth, polished surface and a complex, curved shape designed for pumping. They are set against a white background with soft shadows.

HARD-IRON™ IMPELLERS GIVE YOU FIVE TIMES THE WEAR RESISTANCE OF DUPLEX STAINLESS STEEL IN WASTEWATER

Plastic. Sand. Stones. They are the enemies of impellers, leading to abrasion and high maintenance costs. So when specifying materials, you need to consider what you're pumping first. For "cleaner" wastewater, grey iron is a cost-effective choice, while duplex stainless steel is optimal for low pH environments. But the truth is that in wastewater pumping, corrosion is rarely the main issue since wastewater is not so acidic. The real culprit is blade erosion due to a very high concentration of abrasive particles. That is why we developed Flygt Hard-Iron™, a high-strength alloy that offers five times more wear resistance in wastewater - at a lower cost than duplex stainless steel. Ask to see the astonishing results of our 200-hour materials test.