



Water Treatment Plant Ferric Chloride - CECO Fybroc Pumps

CASE STUDY



**PUMP SUPPLY
INCORPORATED**

INDUSTRY: Municipal Water Treatment

DISTRIBUTOR: Sunair Co.

LOCATION: USA, major city on the East Coast

YEAR BUILT: 2018

PROJECT DESCRIPTION: Upgrade to CECO Fybroc 2530 pumps in a ferric chloride system

The Situation

Located on the East Coast, a large-scale water treatment facility required safe, reliable, and cost-effective pumps for ferric chloride at their plant facilities.

The Challenge

For many years, the customer used CECO Fybroc 1500 series pumps with dual pressurized mechanical seals. They needed to upgrade their aging ferric chloride systems at 3 water treatment plants. Years of reliable service made Fybroc the obvious choice for the new plants.

The Solution

With CECO's Fybroc distributor, they worked in a consultative role to help solve the customer's problem. CECO Fybroc 2530 sealless magnetic-drive pumps were chosen because it eliminates mechanical seals and required water flush while providing the continued Fybroc durability the customer was looking for.

The CECO Advantage

The VR-1 resin used in the CECO Fybroc 2530 series pumps is compatible with ferric chloride and has demonstrated long service life for the municipality for years. Alternately, metal alloy pumps would have to be of titanium construction in order to hold up to the ferric chloride, which would be extremely expensive and less readily supported from the standpoint of spare parts availability.

The Operational Results

The use of 2530 sealless pumps also provided multiple benefits for workers, as it simplifies the installation, eliminates the need for utility seal flush water, and improves worker safety.



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