

Sludge Sucker™

Sludge Removal System



WESTECH®

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Sludge Sucker unit near Oswego, IL.

The Sludge Sucker™ sludge removal system collects sludge in surface water applications and effectively removes light sludges such as alum or ferric hydroxide or light iron and manganese precipitates in potable water supplies.

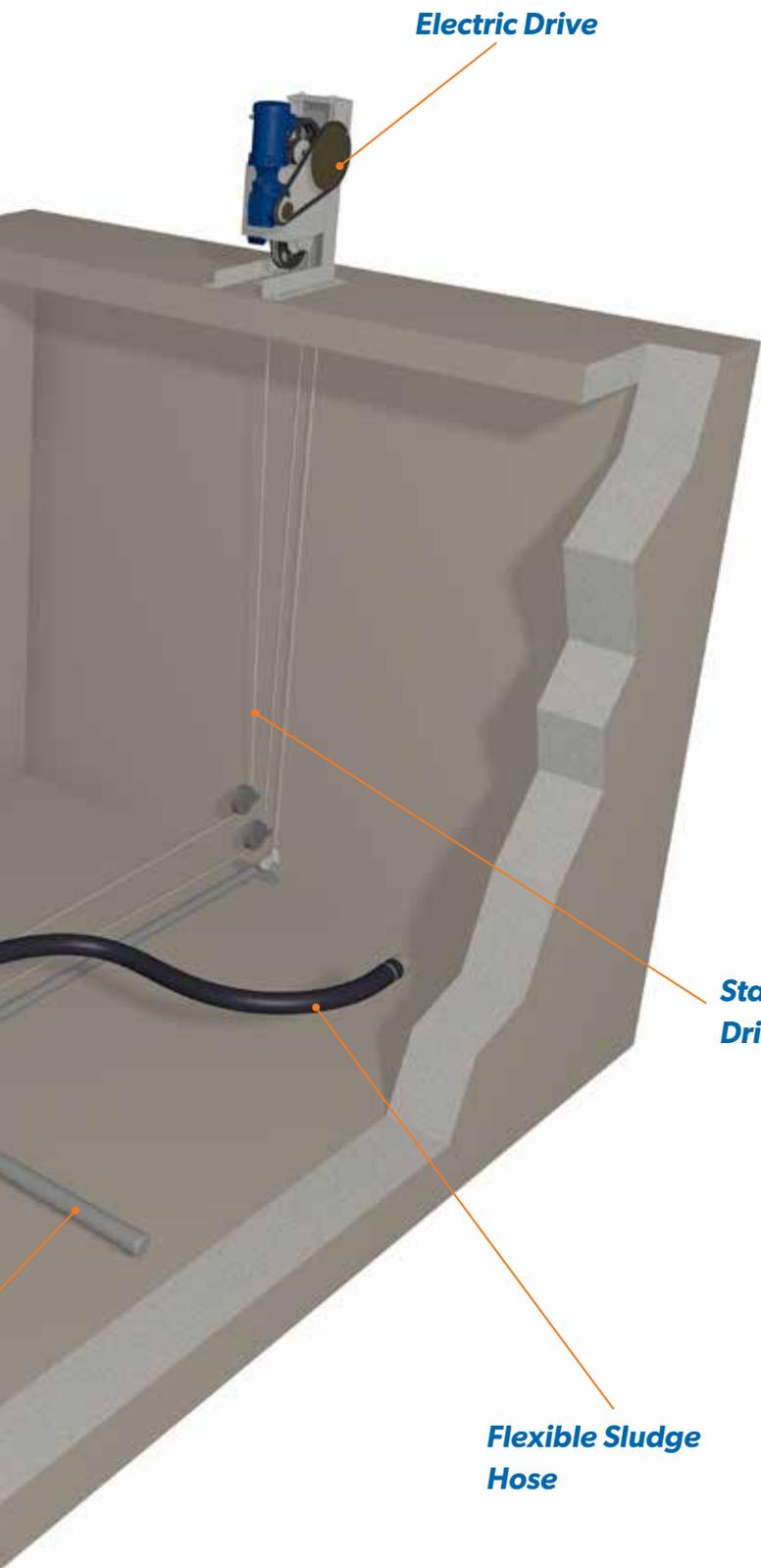
The Right Fit for Your Basin

The Sludge Sucker™ unit is a cable-driven sludge removal mechanism that provides cost-effective and efficient removal of lightweight sludges, such as alum or ferric hydroxide, or light iron and manganese precipitates from rectangular settling basins. Its versatile design allows for custom sizing to fit into existing rectangular basins or new basins. Sludge Sucker™ units are especially effective for retrofit of basins that have obstructions such as crosswalks, skimmers, troughs, tube settlers or other equipment at the basin surface. Accumulated sludge can be easily removed from beneath these obstacles. Single units are used for basins typically up to 30 ft. wide, while multiple units are provided for wider basins.

Simple Operation

The Sludge Sucker™ unit's operational simplicity is accomplished by hydraulic pressure between the water surface and sludge discharge pipe elevation, which forces sludge collecting in the bottom of the basin through orifices located in the header pipe. The sludge then travels through a durable flexible hose which is connected to the sludge discharge pipe. A truck assembly, with header pipe attached, is pulled smoothly across the basin by a cable system connected to a drive assembly conveniently mounted above water. For versatile sludge removal, a programmable controller lets you easily adjust the speed of travel and frequency of operation.





Electric Drive

**Stainless Steel
Drive Cable**

**Flexible Sludge
Hose**

The Cost-Effective, Low-Maintenance Advantage

The lower capital cost and long-term reliability of Sludge Sucker™ units will make it an essential and integral asset to the operation of your treatment facility. All submerged components are constructed of corrosion-resistant materials such as stainless steel and polyethylene. This feature translates into low maintenance requirements. Plus, when combined with the key features and benefits, Sludge Sucker™ systems are your economical and efficient sludge removal unit of choice.

The Right Application Solution

The primary application for Sludge Sucker™ sludge-collecting systems is in surface water treatment plants and groundwater plants with iron and manganese sludge. It is ideally suited for light sludge in industrial and municipal applications. Whatever water treatment operation you have, the Sludge Sucker™ sludge removal system is the right choice and the smart choice for your operation.

Key Features and Benefits

- **Low-Maintenance Cable Drive Assembly**
- **Corrosion-Resistant Submerged Parts for Long Life**
- **Collector Header Movement Visible from Drive Cable**
- **Wheeled Track Design is Standard for Positive Tracking**
- **Optimized Sludge Removal via Variable-Speed Collection Header**
- **Automatic Control Panel for Programmable Operation**
- **Mechanical Drive Assembly Located Above Water Level**
- **Low Capital, Operating, and Maintenance Costs**
- **Modular Construction Results in Easy Installation**

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