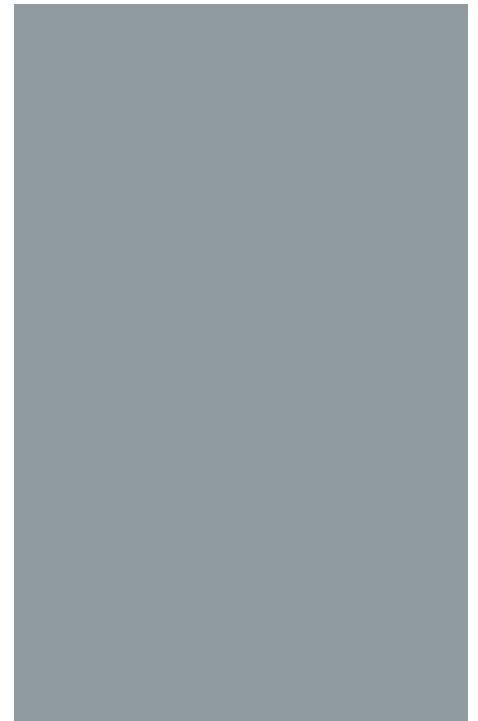
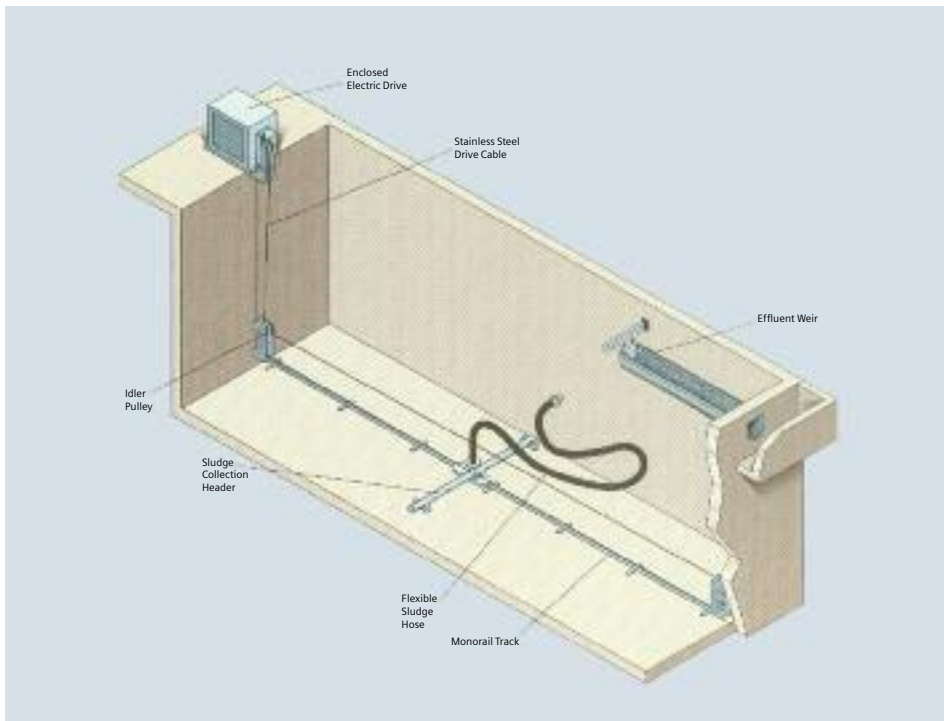




Sludge Sucker™ Sludge Removal Systems

Water Technologies

SIEMENS

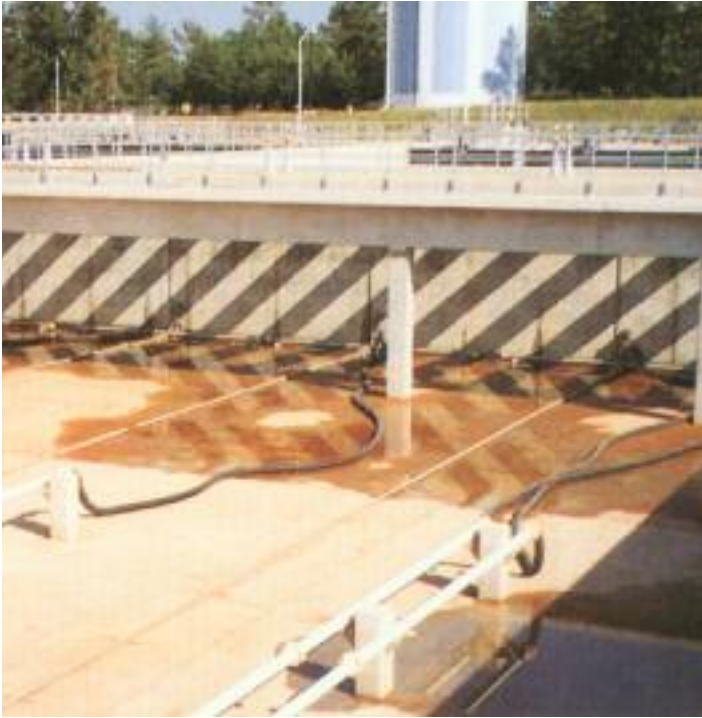


The Right Fit For Your Basin

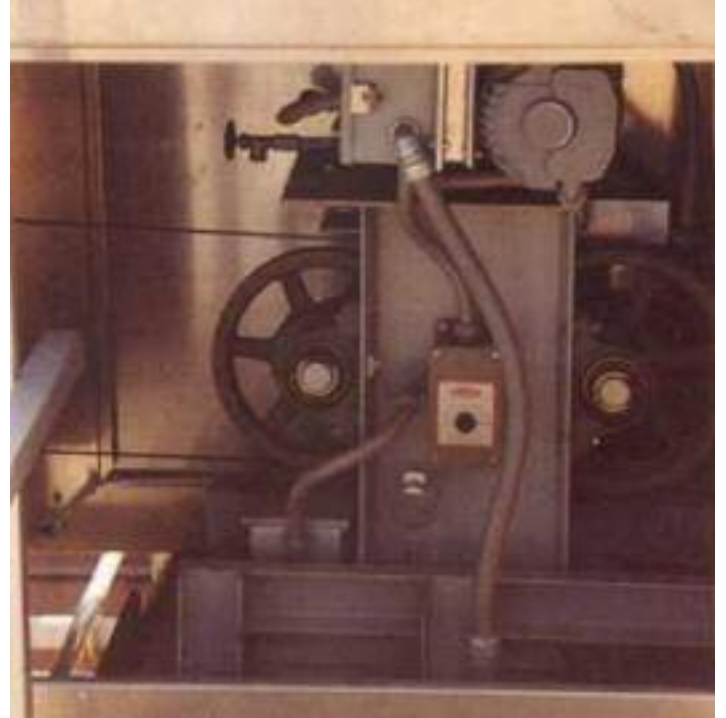
Sludge Sucker™ units are a gravity driven sludge removal mechanism that provides cost effective and efficient removal of lightweight sludges, such as alum or ferric hydroxide, or light iron and manganese precipitates from rectangular settling basins. It's versatile design allows for custom sizing to 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.

KEY 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
- Rapid Sludge Removal with Variable Speed Collection Header
- Automatic Control Panel for Programmable Operation
- Mechanical Drive Assembly Located Above Water Level
- Low Capital, Operating and Maintenance Costs
- Modular Lightweight Construction Results in Easy Installation



24 Sludge Sucker units installed in a 25 MGD facility



Electric drive unit with aluminum enclosure

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 a 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 at various locations in the basin.

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 ground water plants with iron and manganese sludge. It is ideally suited for light sludge in industrial and municipal applications. Remember, whatever water treatment operation you have, the Sludge Sucker™ sludge removal system is the right choice and the smart choice for your operation.

Sludge Sucker is a trademark of Siemens, its subsidiaries or affiliates.

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

East Tel: +1.508.849.4600

Central and International Tel: +1. 515.268.8400

West Tel: +1.719.622.5320

GF-SLUDGE-BR-0209

Subject to change without prior notice.

©2009 Siemens Water Technologies Corp.