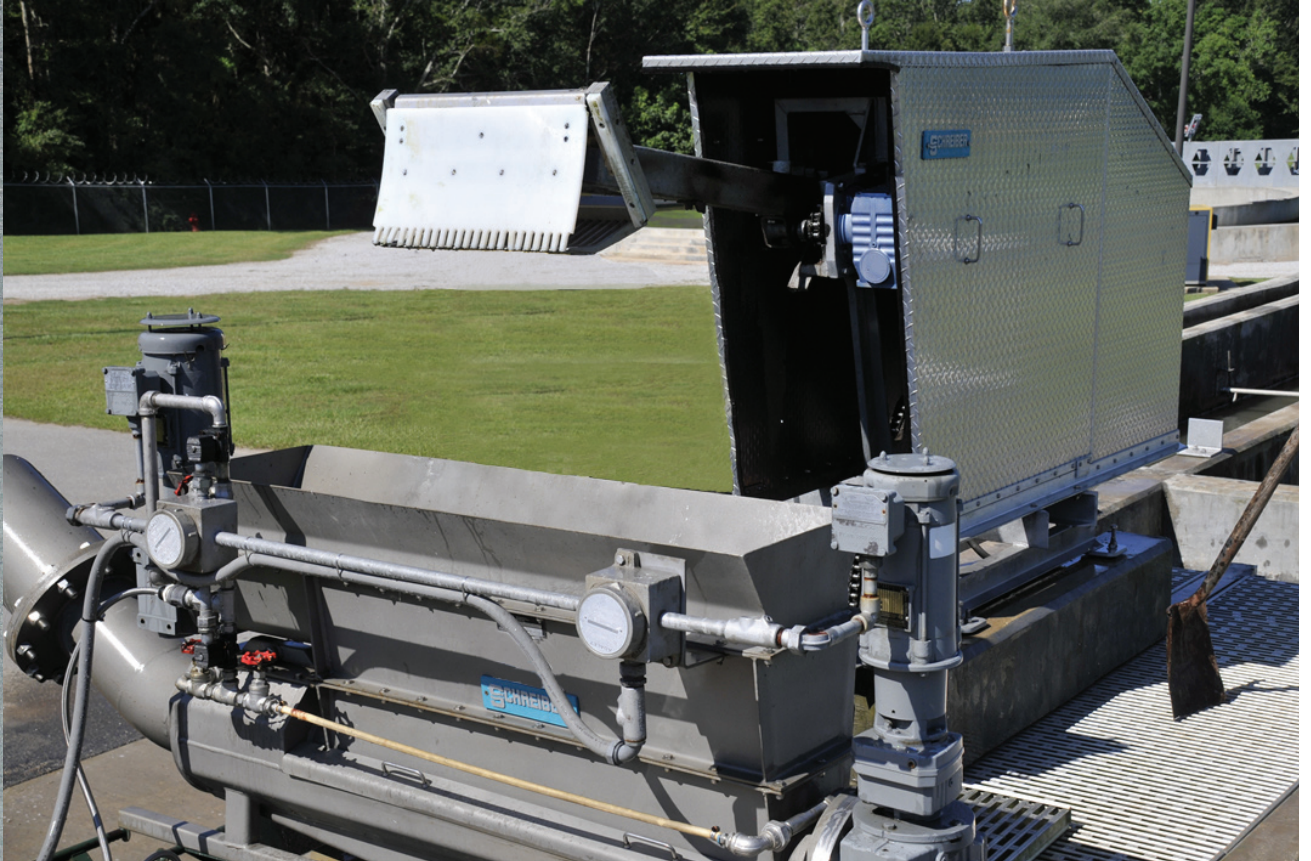


# SCHREIBER CleanScreens

## Frontloader Bar Screen



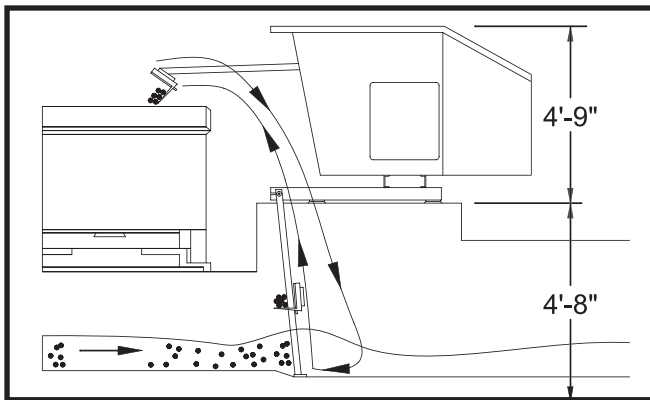
A simple, mechanically cleaned bar screen that performs a complete job.

The Schreiber *Frontloader Bar Screen* performs a complete job of removing screenings from the wastewater and then placing the screenings into a dumpster or other container for disposal. The rake engages the bars of the screen at the bottom of the channel from the down-stream side, which prevents screenings from being squeezed through the bars. This minimizes the potential for jamming of the rake. Automatic operation of the unit is controlled by a float switch and timer. Additionally, the entire mechanism is located above water level for ease of service without dewatering.

The *Frontloader Bar Screen* is available to fit channels up to 4'-8" in depth and 15" to 48" in width. A single Frontloader can handle a flowrate up to 16 MGD. The standard size of screen openings for the Frontloader is 5/8", although 1/2", 3/4", and 2" openings are available options.

### UNIQUE OPERATION

The *Frontloader Bar Screen* utilizes an endless chain running on UHMW polymeric guides in a geometric configuration to control the precise travel of the rake arm. The polymeric guides allow the entire mechanism to operate with very low noise level. The movable stripping plate, also made of UHMW polymer, removes the screenings from the rake without noise or squeaking.



### SCREENINGS PLACED STRAIGHT INTO DUMPSTER

The lifting arm and rake are designed so that the rake clears the container. A stripping plate makes a clean and positive discharge straight into a dumpster, contributing to a clean and environmentally friendly site. Other screens often require separate conveying mechanisms for transporting screenings to a container.

### LOW HEADROOM

The *Frontloader Bar Screen* is designed for minimal required operating headroom above the container. The screen can easily be installed in buildings with a normal headroom.

### CORROSION PROTECTION

The rake and bar rack of the Frontloader Bar Screen are constructed of 304 stainless steel, and the unit cover is fabricated aluminum. All construction is designed for maximum corrosion protection to ensure long life.

### CONTROLS AND OPTIONS

The *Frontloader Bar Screen* is equipped with both manual and automatic controls as well as overload protection against machine damage. Automatic operation of the unit is controlled by a float switch and timer. A NEMA 4X SS control panel is standard. A NEMA 7 control panel and explosion-proof motor are available as options.

