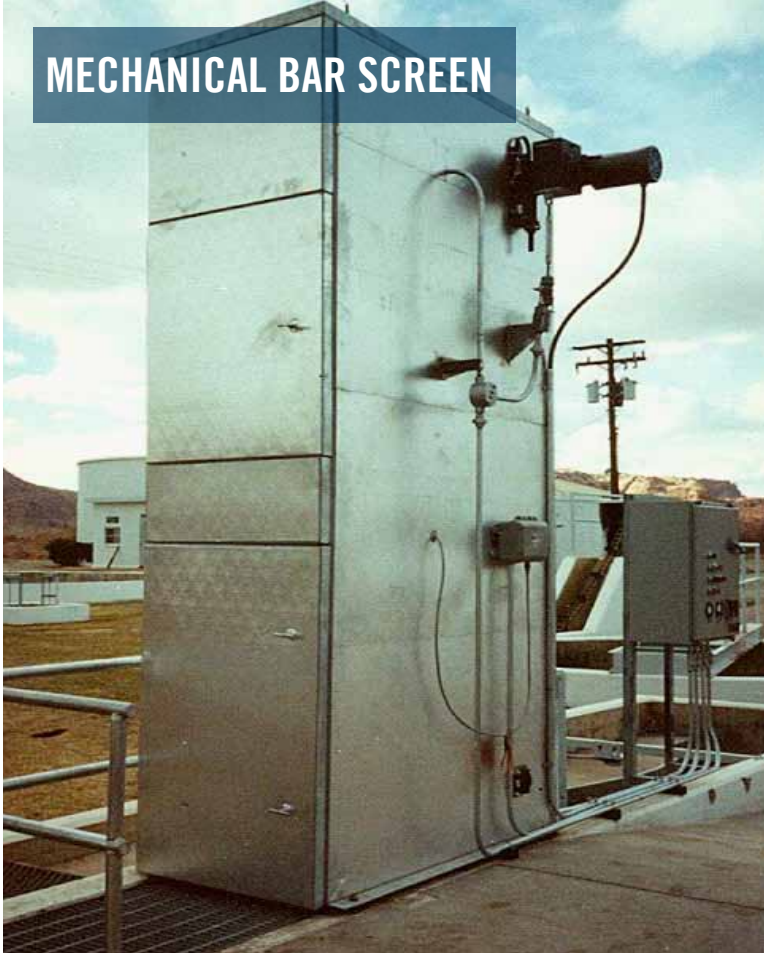




Smith & Loveless Inc.
Above All Others.™

MECHANICAL BAR SCREEN



Application Data

| | |
|-----------------|--------------------------------------|
| Flow Ranges: | Up to 13 mgd (570 lps) |
| Sizing: | Custom — as project requires |
| Channel Widths: | Up to 3' / 0.9 m (typical) |
| Angle: | Normally 75°, 80°, 84°, 90° avail. |
| Clear Openings: | 3/8" to 1/4" openings (9.5 - 6.4 mm) |
| Construction: | SST or CS & other Alloys |

MARK IX-A™

Reliable, Low Maintenance Screens for Small to Medium-Sized Plants

Designed for small to medium-sized wastewater treatment facilities, the distinctive **S&L SCHLOSS™ Mark IX-A™** coarse bar screen delivers remarkably reliable screening performance with minimal maintenance. This front-cleaned, front returned reacher screen inclines to angles of 75° through 90° and can be pivoted to incorporate in plants with no bypass channel.

More than 100 **S&L SCHLOSS™ Mark IX-A™** screens have been installed at municipal and industrial facilities, including a couple dozen at military bases throughout the United States.

FEATURES AND BENEFITS

- Robust S&L Schloss™ engineering & assembly
- Uniquely designed for low maintenance / manpower
- Delivers incredibly reliable, dutiful performance
- No submerged chains, sprockets or bearings
- Pivoting option allows for simple inspection / O&M
- Standard & custom designs / options offer choice



Mark IX-A™ Bar Screens



Mark IX-A™ prior to a pump station

Front-Cleaned,
Coarse Bar Reacher Screen
Complete options for
compacting / washing and enclosure,
including heating and insulation



For project inquiries, visit
SmithandLoveless.com



Smith & Loveless Inc.
Above All Others.™

Online: SmithandLoveless.com
Phone: 913-888-5201
FAX: 913-888-2173

Flexible enclosure & handling options:
(near right): An inclined 75° Mark IX-A™ Screen, hot dip galvanized construction with an integral screenings compactor provides odor and vector control. The compactor discharge flange can be fitted for an extension and/or bagging attachment. (Far right) Dual Mark IX-A™ with integrated screenings conveyor.



Mark IX-A™ System Diagram

Diagram Details

- 1 Drive Motor**
1/2 Hp C-Face motor, side-mounted on the enclosure.
- 2 Sprockets & Roller Chain**
Drive chain mechanism that moves rake arm and head. They are never submerged in this design.
- 3a Rake Arm**
Elastomeric and jointed design, guided by chain attachment and sliding guide blocks.
- 3b Rake Head**
Moves upward and cleans the accumulated screenings upstream, off of the bar rack. Open in downward flight.
- 4 Dead Plate**
Available in various stainless steel and alloys.
- 5 Bar Rack**
Bars are rectangular in cross section. Clear openings from 3/8" to 1/4" (9.5 - 6.4 mm)
- 6 Wiper Assembly**
Removes collected screenings from rake and discharges out the back. Complete range of compactor and conveyor options are optionally available.
- 7 Screen Housing**
Complete enclosure options are optionally available, including heated and insulated for safety and anti-freezing.
- 8 Controls**
(Not shown). Depending on application and location, NEMA 4x, NEMA 7, and NEMA 12 panels are available.

