



SCHLOSS™



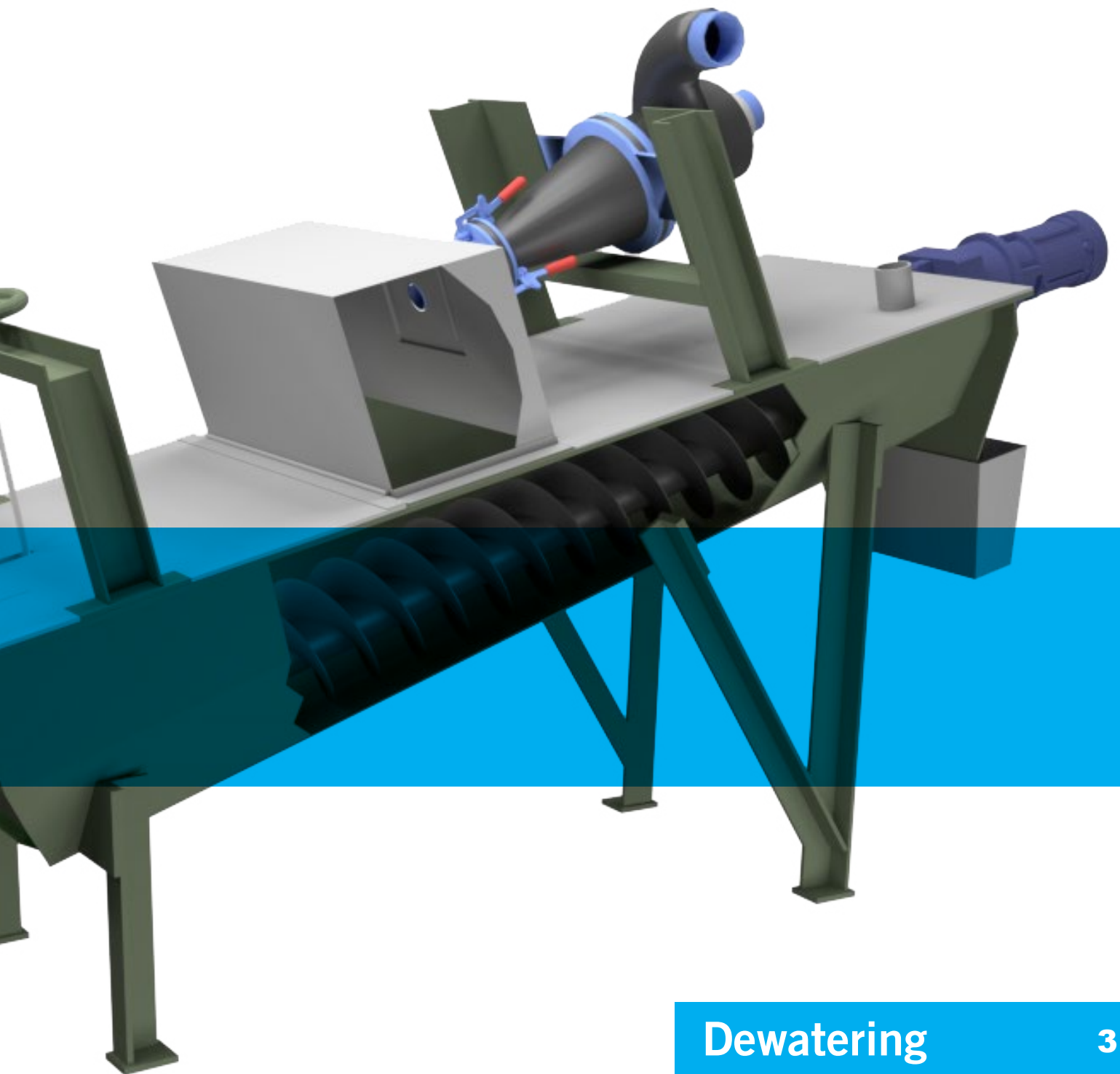
Schloss Classifier



S&L Schloss™ Classifiers come with Heavy Media hydro-cyclones, designed specifically to clean coal and minerals. A gravimetric separation takes place due to the buoyancy effect of the media forcing the lighter solids to the center of the cyclone where they are transported upward and through the vortex finder. The dense mineral matter spirals toward the apex and exits through that orifice.

FEATURES

- Screw sizes include 6" (152.4 mm), 9" (228.6 mm) , 12" (304.8 mm), 18" (457.2 mm), 24" (609.6 mm) or 30" (762 mm)
- Optional long-lasting Hydrocyclone(s) allow for smaller classifiers
- Backed by decades of engineering experience in bulk handling
- Wear shoes option





S&L SCHLOSS™ Mark IX™ UP TO 100+ MGD

The **Mark IX™** was designed for small and very large-sized wastewater treatment facilities. The distinctive **S&L SCHLOSS™ Mark IX™** coarse bar screen delivers remarkably reliable screening performance with minimal maintenance for flows up to 100+ MGD. These screens can be pivoted to incorporate in plants with no bypass channel.

On the small and medium plants (up to 15 mgd/ 657 lps) the **Mark IX™** features extremely dutiful service combined with low maintenance requirements because of the unique **SCHLOSS™** single chain design.

COARSE BAR SCREEN

Application Data

Flow Ranges: 1 - 100+ MGD (44 - 4380+ lps)
Dual-Chain Mark IX-A™ (Up to 15 MGD / 657 lps)

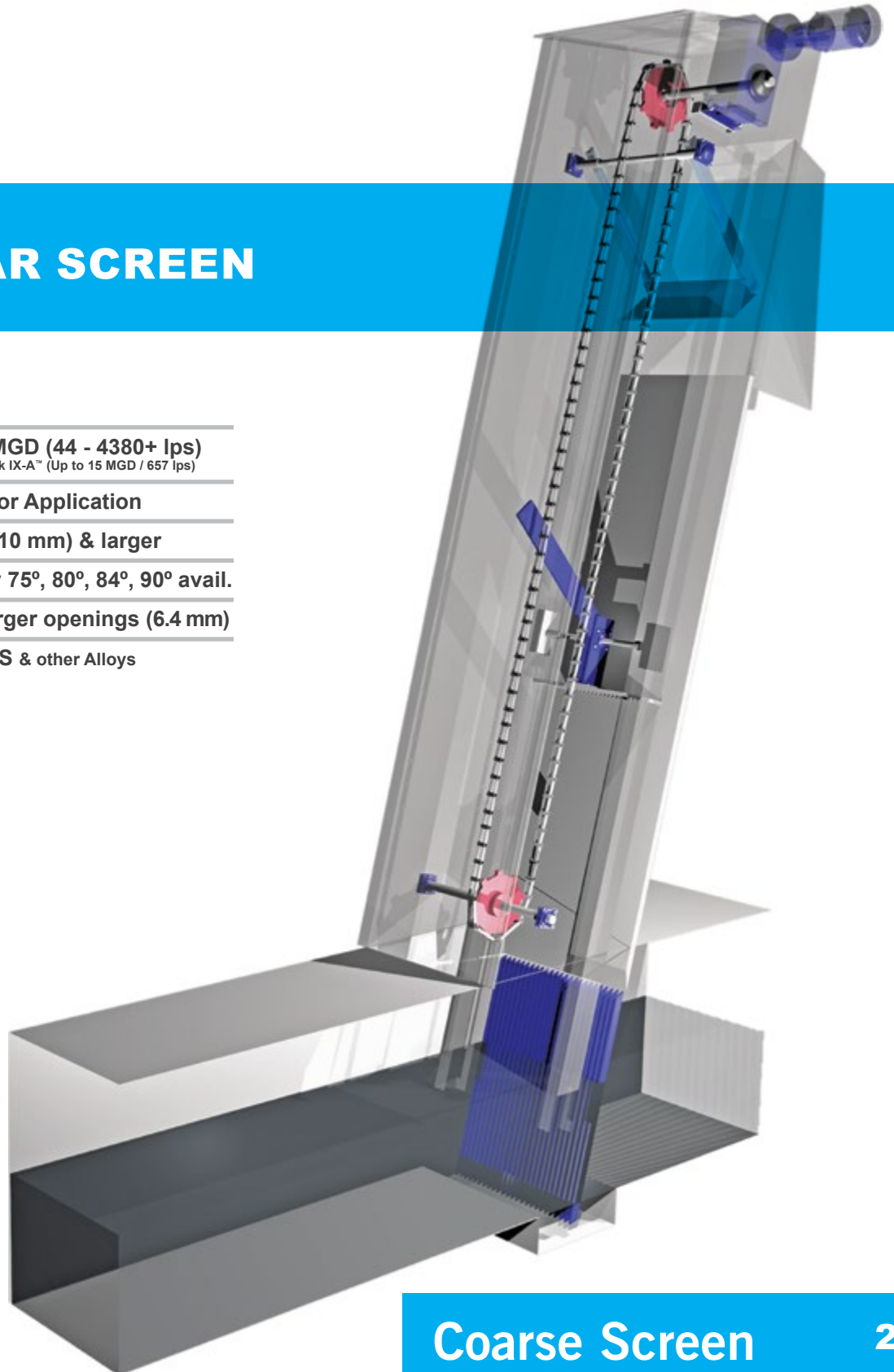
Sizing: Custom for Application

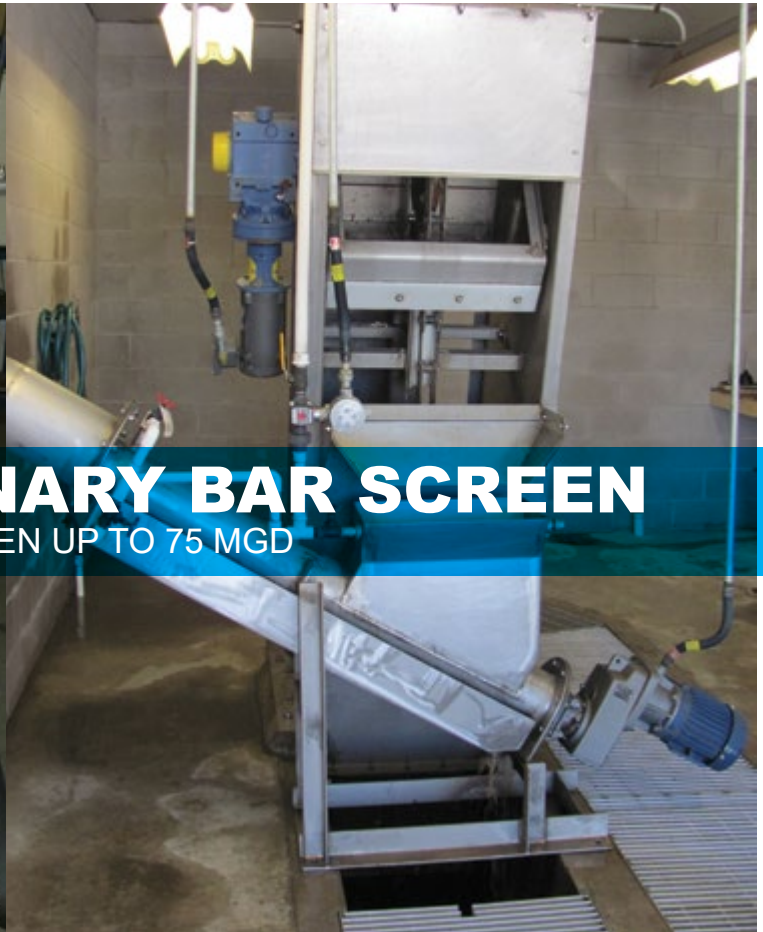
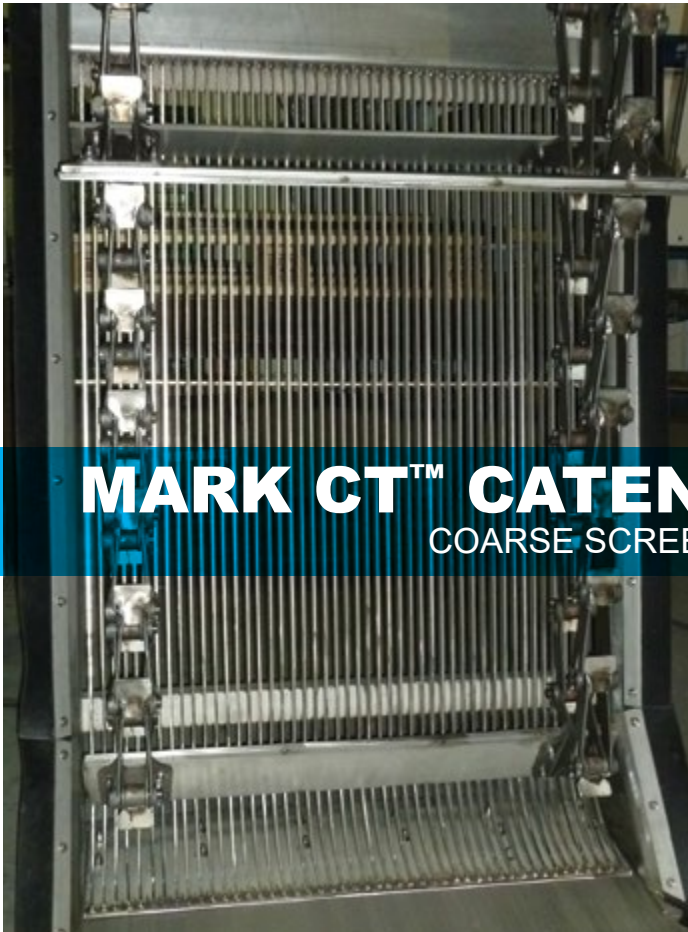
Channel Widths: Min. 2' (610 mm) & larger

Angle: Normally 75°, 80°, 84°, 90° avail.

Clear Openings: 1/4" & larger openings (6.4 mm)

Construction: SST or CS & other Alloys





MARK CT™ CATENARY BAR SCREEN

COARSE SCREEN UP TO 75 MGD

Catenary multi rake screen technology offers proven performance for small to large flow applications with large, bulky material. The **S&L SCHLOSS™ Mark CT™** Catenary Bar Screen features less wearing parts than other kinds of bar screens because there are no lower submerged sprockets and bearings. Combined with other **S&L SCHLOSS™** design features, the **Mark CT™** proves to be the industry's most durable.

Application Data

Flow Ranges:	Up to 75 MGD (3286 lps)
Sizing:	Standard or Custom
Channel Widths:	Min. 1' (305 mm) & larger
Angle:	75° (typical)
Clear Openings:	1/4" (6 mm) & larger
Construction:	SST or CS & Other Alloys



MARK CI™ PIN RACK SCREEN

COARSE SCREEN UP TO 100+ MGD

Multiple rake arm selection, precision pin rack assembly design, and customized system options make the **S&L SCHLOSS™ Mark CI™** Pin Rack Screen the cost-effective choice for efficient coarse screening for mid-size to large treatment plants and industrial applications with bulky material.

Application Data

Flow Ranges:	1 - 100+ MGD (44 - 4380+ Ips)
Sizing:	Custom for Application
Channel Widths:	Min. 2' (610mm) & larger
Angle:	80°, 84°, or 90°
Clear Openings:	1/4" & larger / 6.35 mm
Construction:	SST or CS & Other Alloys



S&L SCHLOSS™ Mark VIII™ COARSE SCREEN UP TO 13 MGD

Designed for small to very large plants the **Schloss Mark VIII™** Bar Screens are particularly well suited where larger materials may be present such as hospitals, prisons and similar applications. A fully enclosed **Mark VIII™** has electrical heating and insulation for colder climates.

Application Data

Flow Ranges:	up to 13 mgd / 570 lps
Sizing:	Standard or Custom
Channel Widths:	Min. 3' & larger / 0.91m
Angle:	90° Vertical
Clear Openings:	1/4" and larger openings (6.35mm)
Construction:	SST or CS & Other Alloys



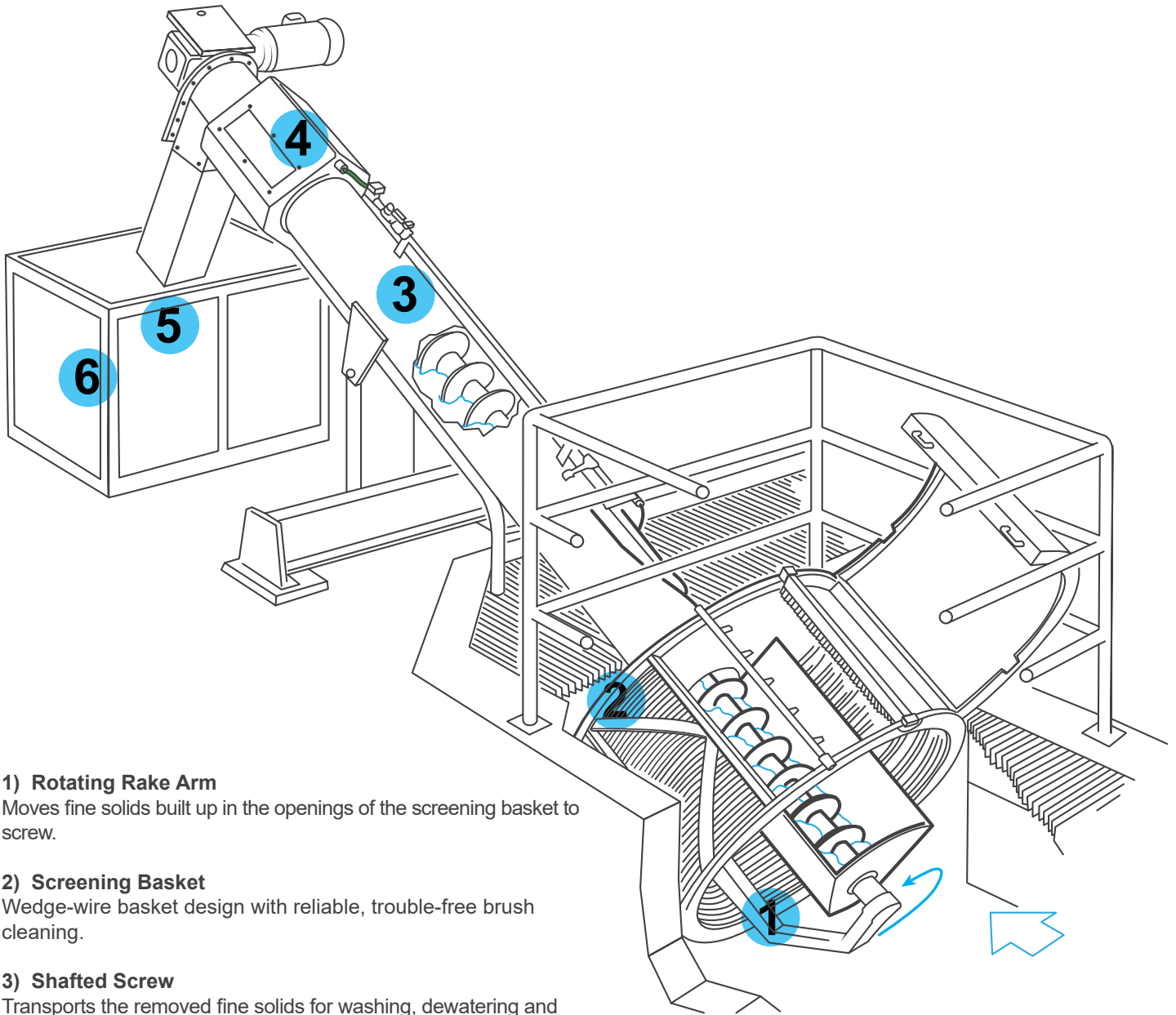
S&L SCHLOSS™ Mark XV™

FINE SCREEN UP TO 13 MGD

Designed for smaller in-channel flows, the **S&L SCHLOSS™ Mark XV™** cost-effectively achieves superior fine screening. Its robust design combines an inclined, stationary screen basket with a conveying screw featuring an outer spiral brush for cleaning. The screen basket incorporates perforated sheet (recommended) or wedge wire screening, while the higher efficiency shafted screw design provides increased durability and service life when compared to imported, shaftless designs. Screenings are washed and dewatered uniquely in a trouble-free plug-type compaction zone.

Application Data

Flow Ranges:	Up to 25 MGD / 1100 Ips
Sizing:	Standard or Custom
Channel Widths:	Min. 2' & larger / 610 mm
Angle:	35° preferred
Clear Openings:	1 mm & larger
Construction:	SST or CS & Other Alloys



1) Rotating Rake Arm

Moves fine solids built up in the openings of the screening basket to screw.

2) Screening Basket

Wedge-wire basket design with reliable, trouble-free brush cleaning.

3) Shafted Screw

Transports the removed fine solids for washing, dewatering and disposal.

4) Washing / Dewatering

Solids material washed and dewatered to reduce odors and water content.

5) Compactor (optional)

Solids can be compacted up to 50% to reduce related disposal costs.

6) Bagging (optional)

Solids can be bagged to further reduce odor and simplify disposal

7) Weather Protection (optional, not pictured)

Weather protection is available for colder climates, including various heating and insulation options.



**GET ALL THE PARTS YOU NEED FOR
ANY SCHLOSS PRODUCT**

Call Parts: 800-922-9048

Schloss

THE S&L SCHLOSS™ WAY OF DESIGN

Built in the USA, S&L SCHLOSS™ way of design emphasizes the optimal materials of construction to reduce stress cycling and fatigue while guarding against jamming.

Order your SCHLOSS™ screen today.



Smith & Loveless Inc.



SCHLOSS™