

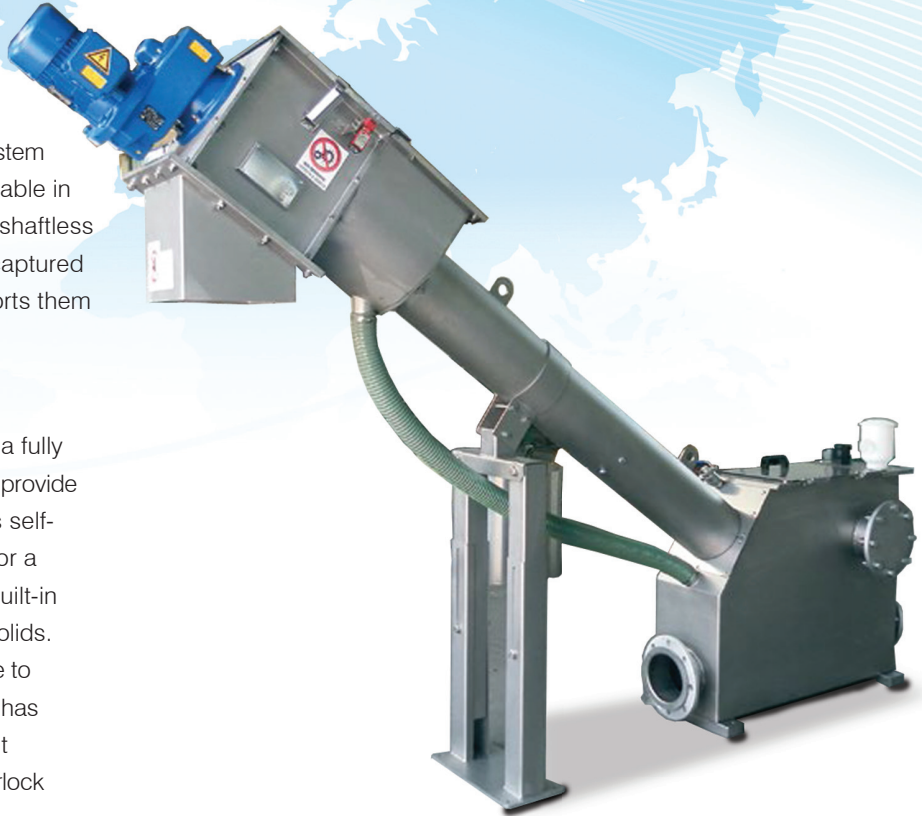
# SPIRALIFT® SI

## Inline Fine Screen

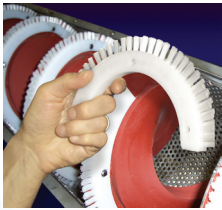
The SPIRALIFT® SI is an inline fine screening system for wastewater. This unit is simple in design, reliable in operation and low maintenance. It employs a shaftless screw screen that effectively removes solids captured on a semicircular screen, washes and transports them to a convenient discharge.

### Construction

The SPIRALIFT® SI screw screen is housed in a fully enclosed stainless-steel tank. Standard flanges provide for easy connection to pipelines. As the unit is self-contained, installation is simple with no need for a concrete channel. The SI is equipped with a built-in spray wash system that cleans the captured solids. A compactor is provided near the unit discharge to minimize the solids volume. The tank enclosure has a hinged top cover for quick access to the unit interior. The cover is equipped with a safety interlock for additional protection.



**Removes Rags, Wipes & Debris | Easy & Quick Install | Self-Cleaning Brush Design**  
**High Rates of Solids Removal | Low Maintenance | Adds Protection to Downstream Equipment**



The SPIRALIFT SI employs rugged segmented nylon brushes attached to the perimeter of the auger which clear the solids collected on the unit's screen basket. The brushes are individually replaceable with supplied stainless steel fasteners.

### Features

- Shaftless auger screen design
- Liquid capacity of up to 4800 gpm (1100 m3/h)
- Screen basket with standard 1/4" (6mm) perforations
- Rugged brushes replaceable in sections
- Variable conveying length
- A variety of filtering options

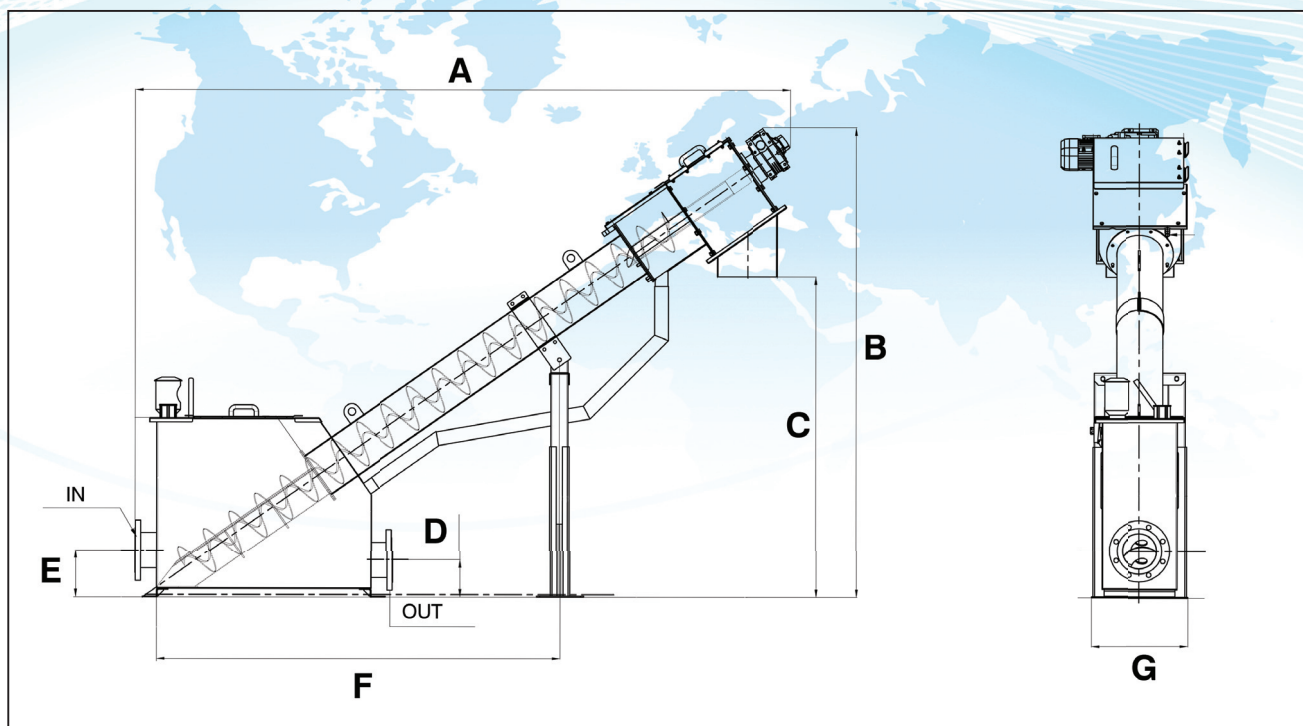
### S270 Control System:



An S270 Automatic Control System monitors and controls system operation. This PLC-based controller is provided standard in a NEMA 4X FRP enclosure.

System functions include:

- Sequence timing
- Jam sensing & jogging
- Level sensing
- Spray-wash activation



## Standard Models

Model No.	A	B	C	D	E	F	Flanges	G	HP (kW)	RPM	Flow Rate Max.
SI-200	125.5" (3190 mm)	88.5" (2250 mm)	59" (1500 mm)	7" (175 mm)	8.5" (220 mm)	85" (2160 mm)	6" (150 DN)	17" (430 mm)	1 (.75)	11	555 gpm (126 m3/hr)
SI-300	122.8" (3120 mm)	88.5" (2250 mm)	59" (1500 mm)	8" (205 mm)	9" (250 mm)	90.5" (2300 mm)	8" (200 DN)	19" (480 mm)	1 (.75)	11	722 gpm (164 m3/hr)
SI-400	123" (3125 mm)	88.5" (2250 mm)	59" (1500 mm)	9.25" (235 mm)	11" (285 mm)	92.5" (2350 mm)	10" (250 DN)	23.5" (600 mm)	1 (.75)	11	1268 gpm (288 m3/hr)
SI-500	122" (3100 mm)	88.5" (2250 mm)	59" (1500 mm)	10" (255 mm)	12.5" (315 mm)	92.5" (2350 mm)	12" (300 DN)	25.5" (650 mm)	1.5 (1.1)	11	1893 gpm (430 m3/hr)
SI-600	159.5" (4050 mm)	102" (2600 mm)	69" (1750 mm)	12" (300 mm)	15" (380 mm)	114" (2900 mm)	16" (400 DN)	28" (720 mm)	1.5 (1.1)	8	2774 gpm (630 m3/hr)
SI-700	164" (4175 mm)	123.5" (3135 mm)	77" (1950 mm)	14" (360 mm)	17" (440 mm)	130" (3300 mm)	20" (500 DN)	34" (870 mm)	1.5 (1.1)	8	3742 gpm (850 m3/hr)

Flow Rates are Based on Clear Water. Contact factory for certified drawing.

## Options

- Discharge Bagger System
- Heat Tracing and Insulation
- Extended Transport Length
- Explosion Proof Motor
- Various Screen Perforation Sizes
- Built-in Bypass Channel



SPIRALIFT SI with attached discharge bagger.



SPIRALIFT SI with built-in bypass channel.