

# John Meunier ROTARC®

## Type SB

Shaftless Spiral Fine Screens

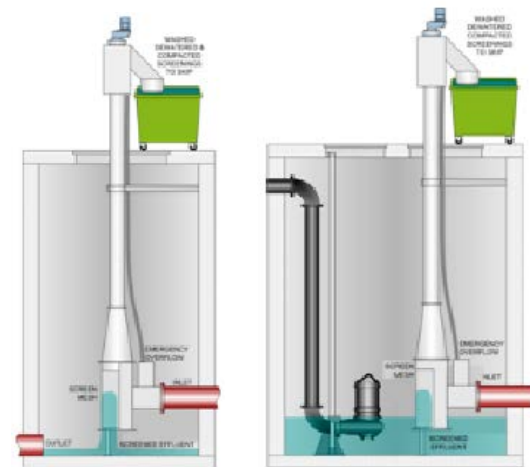
**WATER TECHNOLOGIES**

# John Meunier ROTARC® Type SB

## Shaftless Spiral Fine Screens

The shaftless spiral fine screen with its small foot print and low operating costs provides high quality at low cost without any compromise on performance and reliability.

The screen is typically installed directly into a channel and is supplied with pivoting capability. The unit consists of a solids capture screen, a shaftless cleaning/conveying spiral and a drive motor. The solids progressively collect onto the screen mesh and cause it to gradually blind. The spiral is activated as the upstream water level rises. Replaceable cleaning brushes are attached to the periphery of the spiral, in the screen area, to clean the openings. The spiral screw then conveys the solids up to the discharge point.



*SBC/V: Vertical screens for restricted space applications*

- The screen can be fitted with a press zone for screenings dewatering and volume reduction. Compaction can provide up to 40% Dry Solids.
- Additional spray wash can be installed in the transport zone to reach higher organic removal levels. Up to 90% solids washing efficiency can be attained.
- Continuous bagging system is available to receive screenings to contain odors.



*SB & SBC (with compaction): Channel Mounted Screens*



## Specifications

### Flow range:

Up to 7 MGD depending on the application and the screen opening size.

### Screen availability:

For channel width from 12-inch (300mm) to 36-inch (900mm)

### Screen size availability:

Perforated holes:	Wedge wire :
0.08-inch (2 mm)	0.01-inch (0.25 mm)
0.12-inch (3 mm)	0.02-inch (0.5 mm)
0.16-inch (4 mm)	0.04-inch (1 mm)
0.20-inch (5 mm)	0.08-inch (2 mm)
0.24-inch (6 mm)	
0.28-inch (7 mm)	
0.40-inch (10 mm)	

### Fabrication

Fabricated components (other than the spiral screw): Stainless steel AISI 304 or 316 on request.  
Spiral screw: Micro-Alloy steel or Stainless steel on request (AISI 304 or 316).

## Typical Applications

- Pump stations, Manholes , Sumps
- Municipal wastewater treatment
- Industrial effluent discharge
- Slaughter houses, food processing
- Process liquor or fluid screening
- Sludge and scum screening
- Stream, brook or pond screening



*SBC/T: Screen in Stainless Steel Tank*

## Features

- High solids separation: Wedge-wire or perforated-hole type screen ensures high separation efficiencies
- Stationary solids capture screen: Ensures retained solids cannot bypass the screen.
- Small footprint Compact "ALL-IN-ONE" screenings removal, washing and compaction option design.
- 1 inch brush provides high level of screen openings cleaning & extend components durability.

## Benefits

- High quality and reliability at low cost
- Quick and easy installation
- Retrofit capability into existing channels
- Reduced disposal costs with screenings press
- Reliable and automatic self cleaning operation
- Eliminates pump clogging

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