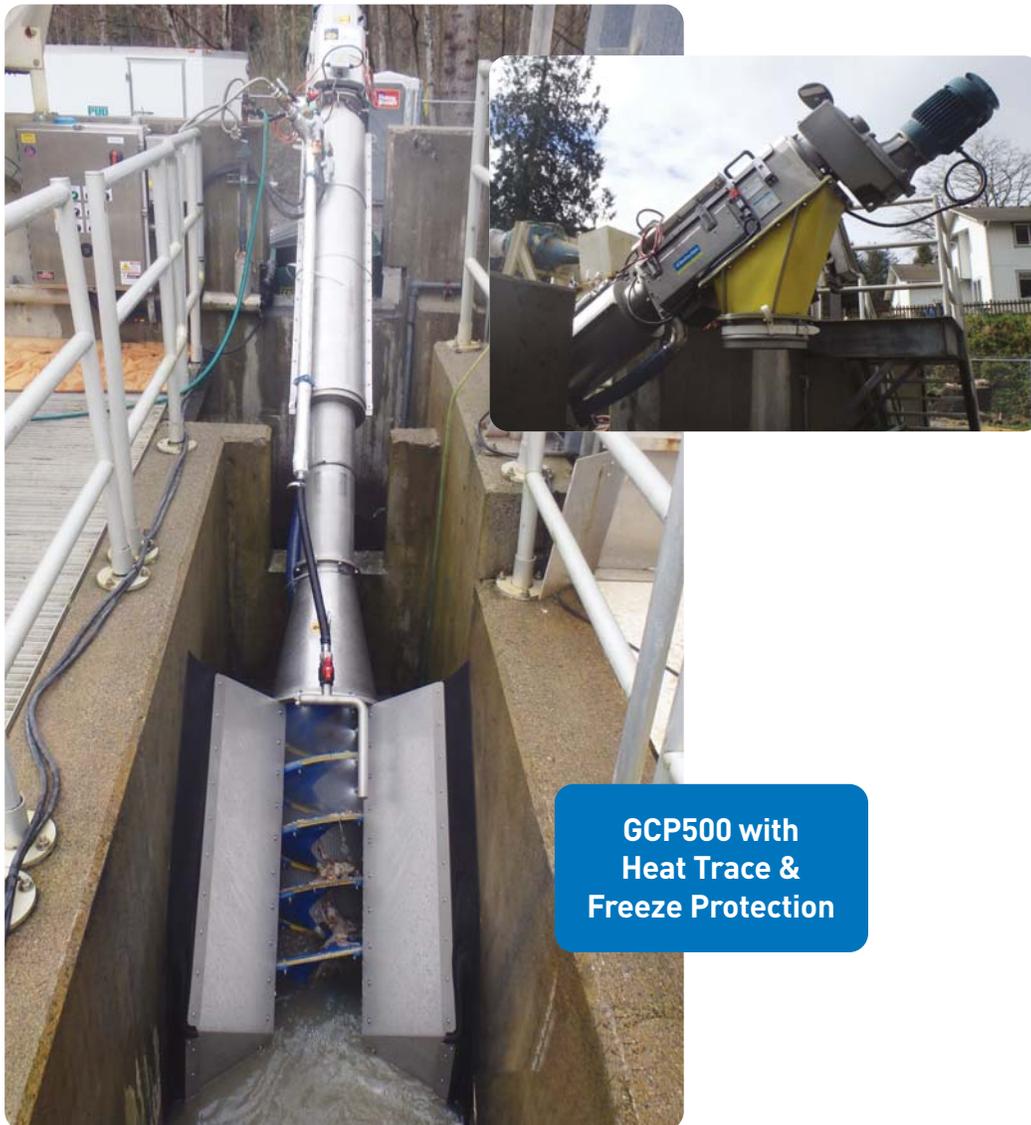


SPECO® WASTEMASTER™

Shaftless Spiral "Screw" Screen
GCE - GCP



SPECO®



GCP500 with
Heat Trace &
Freeze Protection



SPECO® WASTEMASTER™ GCE-GCP

Shaftless Spiral "Screw" Screen

A Reliable Screening Solution for Smaller Treatment Plants



Outdoor Installation

SPECO utilizes the advantages of this proven shaftless spiral technology to offer small treatment plants a high performance screen with high solids capture. WAM® SPECO manufactures more shaftless spirals and screw screens than any other manufacturer. WAM's state of the art ISO9001 certified manufacturing facility utilizes SPECO's value engineered design to produce a high quality screw screen.

The basic system screens, conveys and dewateres the solids. A screenings washing function can be added for cleaner, drier solids. As solids are removed from the incoming flow, they are conveyed either directly to dewatering or washed prior to dewatering. This self-contained system eliminates the need for additional pieces of equipment and reduces the volume of screenings up to 40% for lower disposal costs. Independent testing verified a 52% capture ratio for the WASTEMASTER 35° screen.

If the screenings washing option is added, three spray zones will be contained within the system: one to clean the screen surface, another to periodically clean the transport tube drainage area and a final spray to wash the solids prior to entering the dewatering zone. Units without a dewatering zone, Model GCE, are also available.



Tank Unit
With Bypass

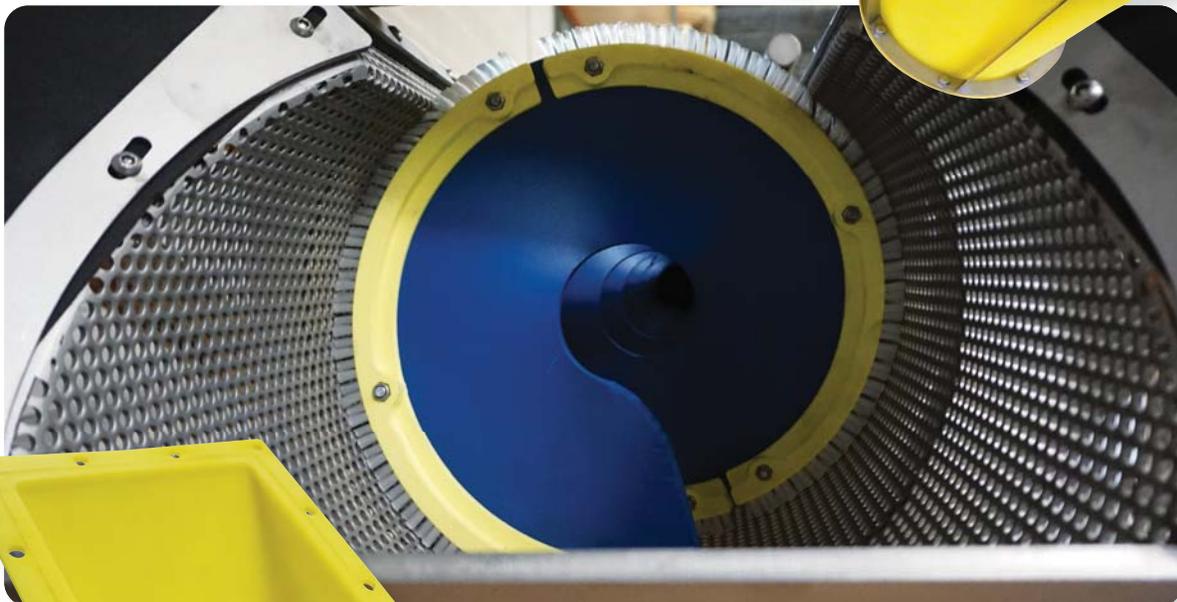
Technical Features

- Flows: 1 to 9 MGD.
- Inclination Angle: 35° (40/45° and 90° options).
- Rubber side seals fit snugly into the channel.
- Screen baskets -
 - Perforated media: 2 - 3 - 5 - 6 - 10 mm
 - Wedgewire media: 0.5 - 1 - 2 mm
- Channel widths: 16" - 36"
- Hinged & latched dewatering zone for safe, no tools access.
- Segmented polymer brushes for easy change-out.
- Modular design for easy installation and maintenance.
- Low noise levels during operation.
- Reduced energy consumption.
- Discharge zone available with or without dewatering function.
- Optional heat trace and freeze protection.
- Optional bagger assembly.

Materials of Construction

- Screen basket: 304L SS (316L SS optional)
- Transport tube: 304L SS (316L SS optional)
- Dewatering zone enclosure: 304L SS (316L SS optional)
- End plates and supports: 304L SS (316L SS optional)
- Discharge chute: SINT™ engineered polymer
- Shaftless spiral: High strength alloy steel (304/316 SS Optional)

Discharge Box
With Compaction



Segmented Brushes



Advantages of SINT™ Engineered Polymer

- Flexible and easy to clean.
- Not effected by temperature variations.
- Anti-wear and self-lubricating.
- Special formulation with antimicrobial additives.
- More than 1500 installations worldwide in 10 years.



SPECO® WASTEMASTER™ GCV

Vertical Screw Screen

Designed for Pump Stations & Deep, Narrow Channels

This specialized screen is available with a flanged connection for pump station duty where protecting submersible pumps is essential. It is also available with an open basket for solids removal in deep, narrow channels. It is designed for easy installation in tight spaces. Options such as a quick coupling flange, lifting/lowering mechanism and adjustable elevation feet reflect the value engineering that has gone into this screen.

Technical Features

- Flows to 2 MGD in a single screen.
- Inlet to discharge height up to 30 feet.
- Outlet installation angle based on customer requirements.
- Segmented brushes for ease of replacement.
- All fabricated parts in 304L / 316L stainless steel.
- Shaftless screw is a special high alloy steel with a fixed center pipe. (also available in 304 / 316 stainless steel.)
- Optional bagger system available.
- Optional connect/disconnect coupling device.
- Optional lifting / lowering mechanism.



Full Screen Basket
for Deep Channels



GCV Unit from WEFTEC 2015



SINT screw
removed from
screen/transport
tube for illustration
purposes



Mini Screw Screen in a Tank



SPECO® WASTEMASTER™ CT

Mini Screw Screen

A Screen for Small Spaces and Small Flows

The CT screw screen consists of a tubular screen directly attached to the transport tube. Contained inside the screen is a shafted screw made of SINT™ engineered polymer. The screen is directly flanged to influent pipe. Solids are captured on the inside of the screen and conveyed to discharge by the SINT screw. Screened wastewater passes from the inside to the outside of the screen basket and on for further processing.

This pretreatment screen sits at a 70° angle which makes it suitable for small spaces such as wastewater pits found in small industrial applications, hotels, resorts, car washes, etc.

Technical Features

- Flows to 150 GPM.
- 2 and 5 mm screen openings.
- Screw constructed of SINT engineered polymer.
- No brushes.



WASTEMASTER CT Mini
Screw Screen Basket



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