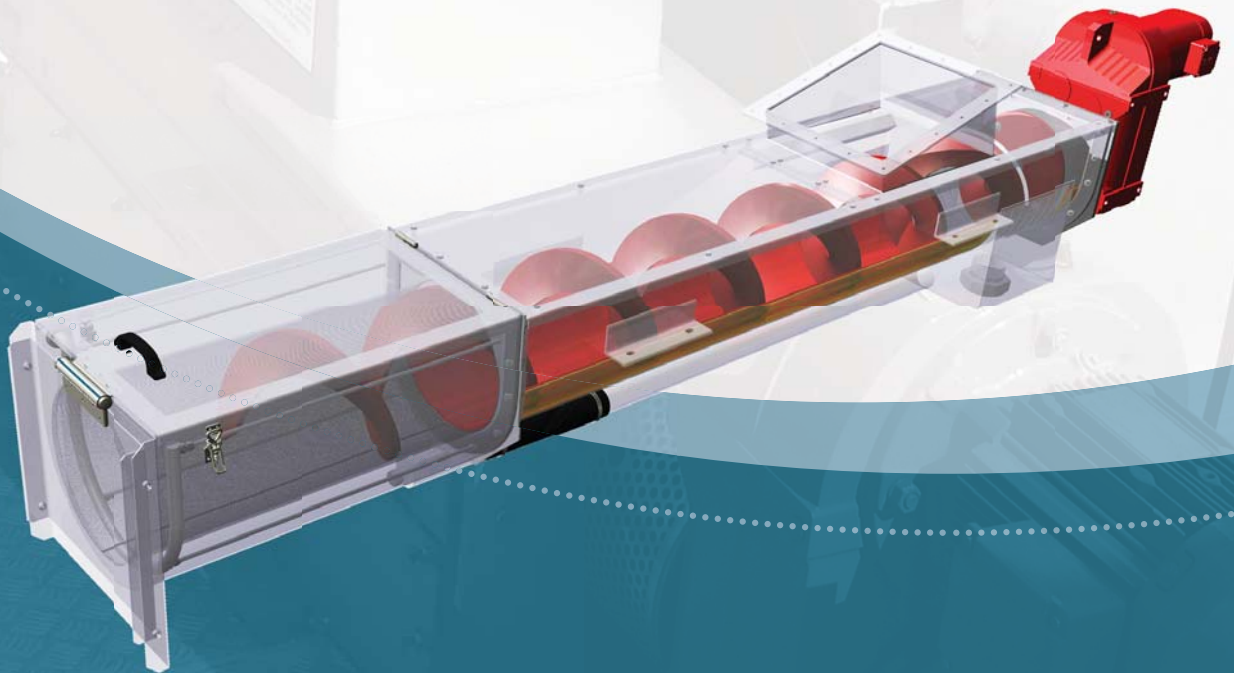




SPIRAC[®]
Solid Handling Solutions

SPIROPRESS[®]

**CONVEY, DEWATER AND COMPACT MATERIALS
FROM A WIDE RANGE OF APPLICATIONS**



The SPIROPRESS® is a simple yet effective dewaterer that combines conveying, dewatering and volume reduction in one compact unit. The SPIROPRESS® offers high capacity and efficient operation with the advantages of low power consumption and minimal maintenance.

The SPIROPRESS® satisfies high demands on capacity and separation effect, and is available in a range of capacities with efficient separation functionality. It is used with good results in a range of industries. The SPIROPRESS® has been designed to ensure safe operation and to keep maintenance to a minimum.

The raw screenings throughput capacity of the SPIROPRESS® is up to 30m³/hr depending on the model. The overall layout of the SPIROPRESS® can be customized to suit the individual specific project requirements.

◆ Screenings Volume Reduction

Volume reduction of the captured screenings occurs as a result of the SPIROPRESS® conveying, dewatering and compacting the screenings.

Typical average screenings volume reduction is up to 65% for screenings from fine screens and up to 70% for screenings from bar screens depending on the quality of the captured screenings.

◆ Screenings Dewatering Efficiency

For screenings from fine screens, the average dewatering efficiency is up to 30-45%, and from bar screenings up to 50%, depending on the quality of

the captured screenings.

◆ Screenings Weight Reduction

Water usually forms a greater proportion of the captured screenings and the equipment dewatering efficiency has a direct correlation with weight reduction of the screenings. Higher screenings weight reduction usually results from higher dewatering efficiencies.

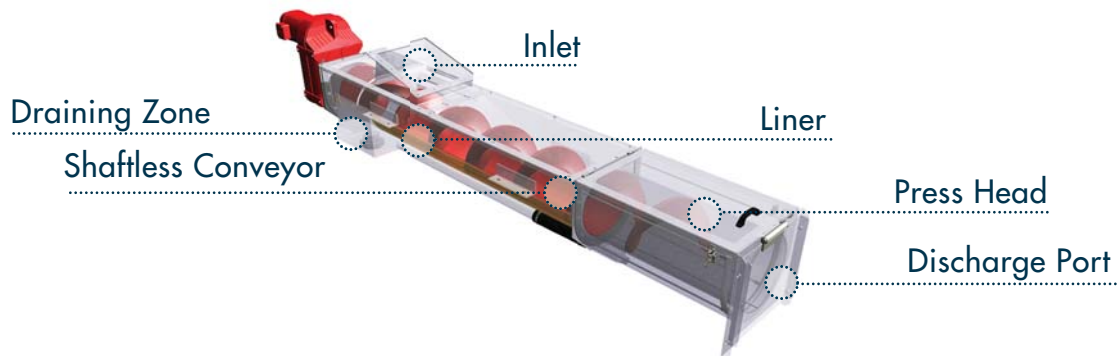
Typically, the weight reductions of the screenings can be 65% and over depending on the quality of the captured screenings.

BROAD INDUSTRIAL APPLICATIONS

The following are some but not all of the many types of industry where the SPIROPRESS® is used:

- ▶ Municipal sewage treatment plants
- ▶ Industrial treatment plants
- ▶ Food industries
- ▶ Breweries
- ▶ Abattoirs
- ▶ Pulp and paper industries.

The table on the next page shows the different standard SPIROPRESS® sizes. Please contact SPIRAC to discuss your particular project requirements.

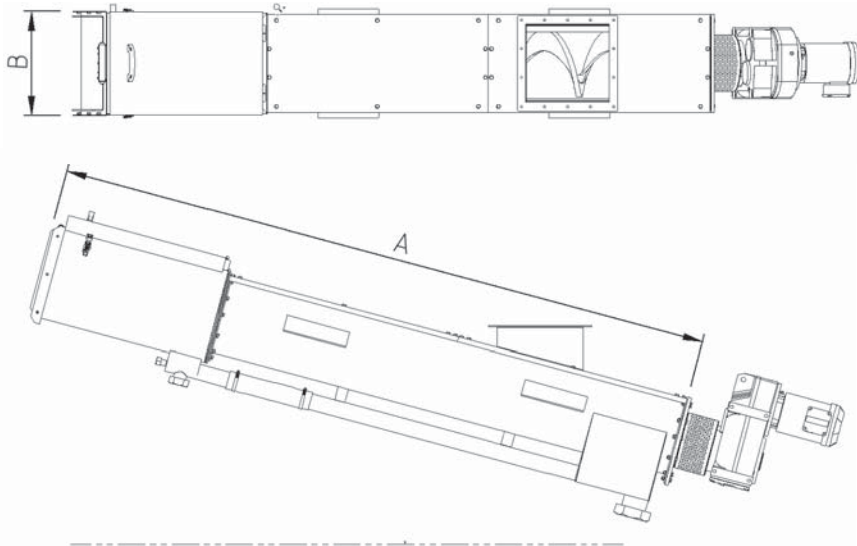


SPIROPRESS® ADVANTAGES

- ▶ High capacity
- ▶ Simple robust machine
- ▶ Space saving
- ▶ High efficiency
- ▶ High reliability
- ▶ No intermediate or end bearings
- ▶ Virtually maintenance free
- ▶ Completely enclosed

SPIROPRESS® PERFORMANCE

- ▶ Volume reduction up to 70%*
- ▶ Weight reduction up to 70%*
- ▶ Dewatering efficiency up to 50%* DS
- ▶ Capacity up to 30m³/hr
*dependant on actual site conditions



| Model | Trough Type | Capacity (m ³ /hr) | Conveying Length including Press Head A (mm) | Motor Size (kW) | Flush Water Requirements at 3-6 Bar L/sec | Width B (mm) |
|-------|-------------|-------------------------------|--|-----------------|---|--------------|
| SP160 | U200 | Up to 1 | 2500 | 1.1 | 0.6 | 380 |
| SP215 | U250 | 1 to 2 | 3000 | 1.5 | 0.6 | 380 |
| SP280 | U320 | 3 to 5 | 2900 | 2.2 | 0.6 | 450 |
| SP315 | U355 | 7 to 10 | 2900 | 3.0 | 0.8 | 480 |
| SP365 | U420 | 10 to 20 | 3300 | 4.0 | 0.8 | 540 |
| SP405 | U500 | 10 to 25 | 3400 | 7.5 | 0.8 | 790 |
| SP440 | U500 | 10 to 30 | 3200 | 7.5 | 0.8 | 790 |

1) Dimensions are for information only and not to be used for design. Please contact us for more details.

2) Inclination is up to 30 degrees.



ABOUT SPIRAC

SPIRAC is all about screening, grit & sludge handling solutions. With SPIRAC solids handling solutions, you can have total confidence in a global leader. SPIRAC enjoys more than 40 years of worldwide success and long-standing partnerships with customers, prestigious status that cannot be earned overnight. The SPIRAC network of engineers is on hand to collaborate with you right from the start of your project – wherever you are located. That way we understand your requirements and it enables us to deliver the right solution for you. Project Managers and professional Design Engineers will ensure that products and systems are manufactured, installed and maintained to the most exacting standards in compliance with local specifications and best global practice. And don't forget, full after sales support is part of SPIRAC's® outstanding service.

WE SPECIALISE IN

SCREENINGS HANDLING

- ▶ Screens
- ▶ Screenings washing
- ▶ Dewatering & compaction
- ▶ Conveying
- ▶ Containment & transport

GRIT HANDLING

- ▶ Grit capture & separation
- ▶ Grit washing
- ▶ Conveying
- ▶ Containment & transport

SLUDGE HANDLING

- ▶ Conveying
- ▶ Storage (silos)
- ▶ Reveal (bunkers & hoppers)
- ▶ Outloading (sliding-frames & live-bottoms)
- ▶ Containment & transport



SPIRAC®
WWW.SPIRAC.COM

AUSTRALIA SPIRAC Pty Ltd

Western Australia (Perth)
+61 8 9434 0777

New South Wales (Sydney)
+61 2 8811 4100

Victoria (Melbourne)
+61 3 9717 1199

Queensland (Brisbane)
+61 7 3482 4230

info@spirac.com.au

NETHERLANDS SPIRAC BV

Maarheeze
+31 (0) 495 430 203
info@spirac.nl

SWEDEN SPIRAC AB

Limhamn
+46 40 36 22 00
info@spirac.se

UNITED KINGDOM SPIRAC Limited

Banbury
+44 (1) 295 270 335
conveyors@spirac.co.uk

USA SPIRAC (USA) Inc

Newnan GA
+1 770 632 9833
sales@spirac.com