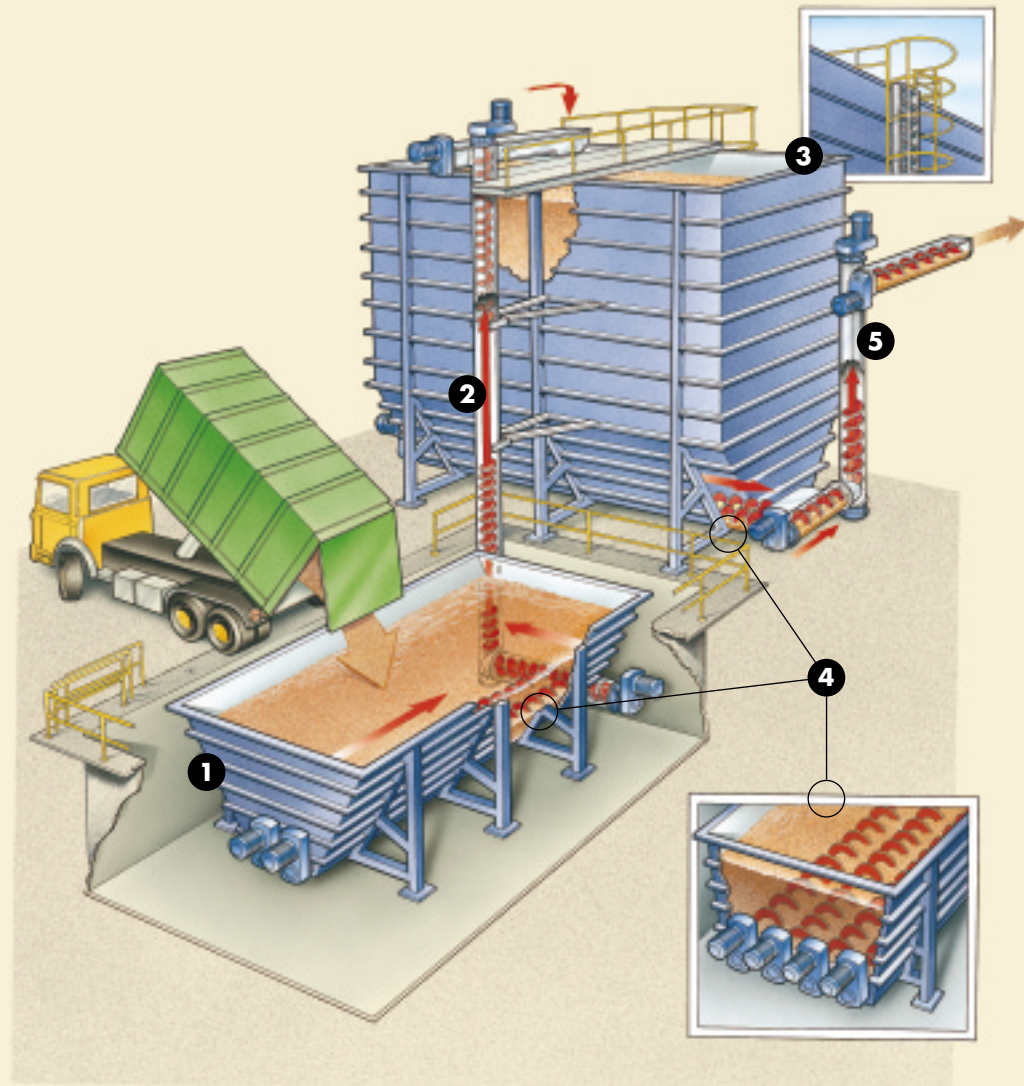


Sludge system



- 1 The receival hopper accepts the sludge brought in from other plants which is delivered to the silo conveyor feed system via a live bottom.
- 2 The vertical conveyor system takes the sludge from the receival hopper to the silo in a space saving, compact method.
- 3 The silo stores the sludge in volumes of 20-500m³.
- 4 The silo live bottom outloads into the discharge system.
- 5 Another vertical system outloads the material into a truck. An alternative is to raise the silo and discharge material through valves directly into the truck.

NOVEMBER 2002



SPIRAC

First in spiral
conveying technology

SPIRAC silos & storage systems



**SPIRAC
Engineering
Pty Ltd**

HEAD OFFICE	2 Kalmia Road Bibra Lake WA 6163 Australia	PO Box 1216 Bibra Lake DC WA 6965 Australia	Telephone +61 8 9434 2127 Facsimile +61 8 9434 2128 Email spirac@spirac.com.au www.spirac.com
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NSW OFFICE	32/8 Victoria Ave Castle Hill NSW 2154 Australia	PO Box 6643 Baulkham Hills BC NSW 2153 Australia	Telephone +61 2 9680 9381 Facsimile +61 2 9680 9382 Email spirac@spirac.com.au www.spirac.com
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SPIRAC SILOS &
STORAGE SYSTEMS

SPIROTAINER

SILOS

LIVE BOTTOMS

RECEIVAL BINS



SPIRAC is committed to meeting the conveying requirements of a broad range of industries through the supply of specialised products and systems. SPIRAC's innovative designs have been used throughout the world for more than 30 years and provide customers with state-of-the-art solutions to all materials handling requirements.

SPIRAC's silos and storage systems combine their unique shaftless screw technology with low-cost, low-maintenance storage design.

SPIRAC Spirotainer

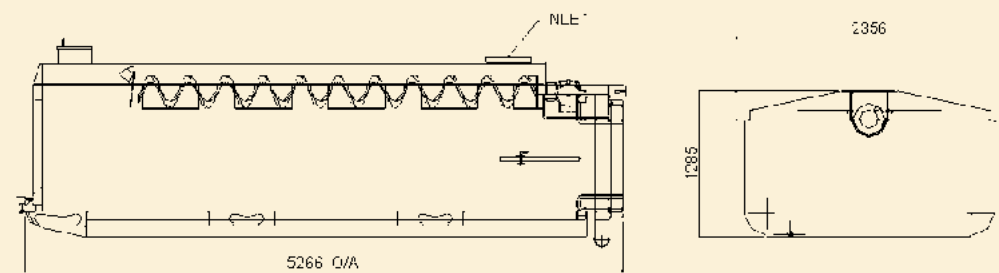
The SPIRAC Spirotainer is a cost-effective alternative for containing and transporting material such as screenings, grit or sludge in sewage treatment plants.

The Spirotainer includes an internal shaftless spiral which levels out the product inside. Consequently, the maximum available storage volume is utilised.

The addition of the self-centralising sealing flange allows easy connection/disconnection of the Spirotainer for dumping, and ensures that all odours are contained during operation.

Options

- Level sensors for automatic control of fill rate
- Weighing systems



- > **SELF-CENTRALISING SEALING FLANGE**
- > **ODOURS CONTAINED COMPLETELY**
- > **FULL USE OF STORAGE VOLUME**
- > **VIRTUALLY MAINTENANCE FREE**
- > **LOW OPERATING COSTS**



SPIRAC Silos

SPIRAC Silos, incorporating SPIRAC Live Bottoms, are an efficient method for storing and outloading different types of materials. The live bottom contains shaftless, counter-rotating spirals which create a good arch-breaking effect. This feature makes the system an excellent alternative for difficult materials such as sewage sludges.

Options

- Platforms, ladders and walkways
- Automatic control
- Weight sensors
- Mechanical installation
- Complete system design

Typical applications

- Sludge storage at sewage treatment plants
- Green waste storage and outloading
- Industrial storage such as grain and cement

- > **SHAFTLESS LIVE BOTTOMS**
- > **HIGH CAPACITY OUTLOADING – TYPICALLY 150m³/HR**
- > **VERSATILE STORAGE VOLUMES – TYPICALLY 20-500m³+**
- > **VIRTUALLY MAINTENANCE FREE**
- > **LOW OPERATING COSTS**
- > **MODULAR DESIGN FOR EASY CAPACITY INCREASE**
- > **FLEXIBLE DESIGN ALLOWS FOR GROUND LEVEL OR RAISED SILO STRUCTURES**

