



SCREENING
HANDLING
REMOVAL



Ovivo[®] Screw Compactor

Minimal maintenance and operational intervention for a TOTEX* competitive alternative.



Key Features

- 9mm Mild steel trough construction
- 6mm Tapered holes for drainage
- Flanged opening for retrofit launder hopper
- 5 Standard sizes

Key Benefits

- Can receive flows from water powered or dry launders
- Good quality 'plug' (with optional screenings washing)
- Flanged opening for retrofit launder hopper
- Minimal operational intervention – Low operating costs
- 25 year design life

*Total expenditure

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OVIVO[®]
Bringing water to life[®]

Based on the proven original Jones+Attwood design

Incorporating the original Jones+Attwood (J+A) features for unrivalled reliability and robustness, the Ovivo® screw compactor has been innovatively designed to meet today's growing preference for simple, low maintenance equipment.

A suitable retrofit for most OEM screening compactors, the Ovivo screw compactor features 6mm tapered holes for improved drainage which enables it to receive feed directly from screens, conveyors and the higher water volume launder flow from installations that previously required screenings to be washed.

Designed with a 9mm thick, mild steel, drainage trough for extra ruggedness, the Ovivo screw compactor retains the original thick mild steel of its predecessor (first developed in 1986 by Jones+Attwood) and is suitable for dewatering and compacting screenings from inlet or sludge screens.



Screening inlet

- The standard screw compactor flanged inlet opening allows greater onsite flexibility to accommodate site conditions and launder flows.
- The inlet hopper can be designed to fit existing installations.
- 6mm tapered holes allow flows to easily pass through the trough and have a greater resistance to blinding.
- Available in a range of sizes from 150mm to 500mm diameter, the largest machine can process up to 9.5m³/hour of screenings.



Process and Applications:

During the 90's, the demand for compacting screenings, only, was slowly overtaken by the need for washing screenings to reduce odours, and to meet emerging landfill regulations for 'washed' screenings. However, the way waste screenings are managed today has changed.

For some utilities, there is a growing preference to reuse the screenings, unwashed for composting – the high organically loaded screenings encourage the composting process and subsequent conversion of waste to energy.

As a result of the evolution of the compactor to wash screenings, water powered launders and channels were designed to convey screenings to compactors, which can be situated a short distance from the inlet screen. As a consequence, the new screw compactor has been designed to receive (higher water volume) launder flow from these types of installations making it a suitable retrofit for most OEM screening compactors.

Our standard screw compactor is supplied without a washing system, however, optional jet washing can be fitted if required, to reduce the organic loading of the plug.

Where TOTEX* is a key driver (i.e. low maintenance, robust operation, requiring minimal replacement parts) and where washing is not a prerequisite, the Ovivo screw compactor is a proven, reliable option.

* Total Expenditure

Key Components



The 9mm thick perforated mild steel trough incorporates 6mm diameter, tapered, holes for efficient fluid discharge.



Discharge chute can be designed to suit existing installations.



Good quality plug (image results from pumped flow).



Flanged opening to accommodate existing launder channel.

Technical Data

The Ovivo® Screw compactor is available in 5 standard designs. Jet washing is offered as an option.

	Size 150	Size 200	Size 300	Size 400	Size 500
Compactor Motor (KW)	1.1	1.5	3.0	5.5	7.5
Compactor Screw Diameter (mm)	150	200	300	400	500
Launder Flow - Max L/S	1.5	3.0	5.0	6.5	8.0
Outlet Chute Diameter (mm)	250	300	400	500	600
Screenings Loading Capacity Max (M ³ /Hr)	0.5	1.25	3.0	6.0	9.5
Optional					
Rinse water system (2.0 bar pressure.) Flow rate L/S	0.16	0.16	0.24	1.0	1.0

Ovivo® Screw Compactor



Operational Benefits

- Low maintenance
- Long life expectancy
- Low energy
- Reliability



Improving on the design of our original Jones+Attwood screw compactor (shown in medallion above), the Ovivo® screw compactor now replaces its predecessor, on new screening projects.



OVIVO® CONNECTSM

Get Connected! Like all Ovivo equipment, your new Ovivo® Screw Compactor will provide you with access to the Ovivo® ConnectSM portal, our innovative client resource application.

- Need access to your O&M Manual?
- Needs spare parts?
- Want the latest tips and news on your product?



Just scan the QR Code, or type-in the URL featured on the nameplate, to access dedicated web pages that will help you maintain and optimize your plant and your Ovivo equipment!



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