

JDV SHAFTLESS SPIRAL PRESS

Solids Handling Products

Product Overview

Dewatering of solids material processed during treatment plant operations is critical to the overall operating costs of the facility. The JDV Compactor product line offers two reliable and proven designs to dewater material with product designs focused on helping operators and maintenance personal in Municipal and Industrial treatment facilities keep initial capital costs and ongoing operating costs down.

The **JDV Spiral Press** combines dewatering, compacting and conveying operations in a single, compact product for wastewater screenings and miscellaneous debris and material processed in paper mills, food processing plants and rendering facilities.

A drainage zone at the feed end of the **JDV Spiral Press** drains free water as solids are conveyed through the system. The compaction zone forms the material into a plug that is squeezed against an adjustable pressure spring-loaded door, which further dewateres and compresses the material against a wedge wire "cage". The resultant liquids are drained off to return into plant flow. The end product of plugged solids is periodically expelled into a bagging system or container.



Features	Benefits
Shaftless Screw- No Shaft or Hanger or Tail Bearings to Resist Material Transport	Increased Fill Rate, Lower Initial Capital Investment
Normal 80% Volume Reduction	Reduced Operating Costs, Lower Total Cost of Ownership.
Normal 40%-50% Plug Solids Concentration	
Intermittent Wash Water in Compaction Zone	Reduced Odors and Maintenance, Self-Cleaning and Increased Operational Efficiency.
Drainage Deck for Water/Moisture Runoff	Lower Overall Weight/Water Composition of Conveyed Material at Compaction Zone and Discharge Point(s)



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Options & Accessories

- Disposable Discharge Bags
- Washer Option
- 304 or 316 SS Construction
- Excess Water Diverter System
- Control Panel for integration into central control system (SCADA)

Pricing

Pricing varies depending on capacity, overall length and material conveyed. Quotations are provided within 48 hours of request when accompanied by minimum required specification data.

Minimum specification data required in order to provide a quote:

1. Required Capacity (ft³/Hr or MGD to Plant and Bar Screen Spacing)
2. Length of Conveyor(s)
3. Material Conveyed (Screenings or Other)
4. Type of feed equipment (Perforated Plate Screen, Bar Screen, etc...)

Contact JDV

Ensure Success For Your Next Project!

1-973-366-6556 or www.JDVEquipment.com

