The Screw Press for Septage and Grease Dewatering
Screw Press
Cross Section
SCREW PRESS CONSTRUCTION
FKC Screw Press Expanded View

Screw Press Construction

High Pressure Drums
Low Pressure Drums
Discharge Stand
Headbox
Condensate
Sprocket
Screw
Steam
Cake Discharge
Base

FKC Screw Press Construction
Dewatering by Volume Reduction
HIGH SPEED ANIMATION (Approx. 100 TIMES NORMAL SPEED)
Screw Press Advantages

- Dry Cake Solids
- Simple Construction (1 motor, 1 moving part)
- Very Low Energy Requirements
- Very Slow Screw Speed (< 1 rpm)
- Low Noise Level
- Minimal Maintenance Requirements
- Continuous Shower Water Not Required
More Advantages

• Low Operator Attention

• Daily Wash Down Not Required

• Outdoor Installation Can Keep Installation Costs to a Minimum

• Fully Enclosed for Odor/Spray Containment

• Steam Heatable Screw allows Simultaneous Dewatering and Pasteurization (Class A)
Dewatering with a Screw Press

Typical Sludge Dewatering System
Flocculation Tank
Tim Frank Septic
Screw Press Discharge
Dewatered Septage
Dewatered Grease Trap Waste
Skid Mounted Sludge Dewatering System
Skid Mounted Sludge Dewatering System
Class A Process Diagram

System for Biosolids Dewatering and Class A
Big Fish Environmental
Class A Dewatering Skid
Small Municipal Sludge Dewatering Installation
Ventilation Power Cleaning
Biorecycling - Large Septage Press
Tenelco / Evergreen Sanitation
QUESTIONS?

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