

# COMPAX CFX-R 80 - Screw Compactor

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## **Technology**

The COMPAX 80 R – Screw Compactor dewaters Lightweight Coarse Rejects from Pulping, Whole Screening and other De-trashing Systems. The slow speed – high torque- rotating Screw presses the Residuals to be dewatered through a Tube Screen Pipe against a Hydraulic operated Twin Flap which generates extreme high counter pressure. Surface water is pressed through the half screens, and collected in the filtrate plan.

The intelligent control & monitoring system allows the COMPAX 80 R to operate with different and/or oscillating Residual Quantities by variating Screw Speed, Press Flap Angle, Torque, Counter Pressure. Depending on the type of material the COMPAX 80 R achieves the 70% TS dryness.

The COMPAX 80 R operates 24/7, up to 10.000 h in a row depending on the Residual characteristics, designed for lowest possible and fast maintenance to reduce cost & downtime.

#### **Features**

- Intelligent Machine and Operation Monitoring Control, operation with changing throughputs achieving constant highest pressing results at lowest Energy Consumption
- High Throughput up to 90 BDMT/d, Highest Dryness up to 70% TS,
- Sturdy Purpose Designed Gearbox with Std. SEW Gearmotor for highest Torques, Hydraulic Twin Press Flaps, hinged
  Press Head and flanged Screw for easy exchange
- Wear Resistant & Low Maintenace Design, highest 24/7 Reliability up to 10.000 h continuous operation
- Slide In-/Out Installation for easy and fast maintenance access
- Exchange, Refurbishment & Service Programs for Screws, Screens & other

### Why to buy

- Market Leading Reject & residual Compactor with more then 500 Installations WW
- Next Gen. Intelligent Control optimizes significantly Performance and reduces Wear
- Highest 24/7 Compacting Performance with Lowest Maintenance & Energy Consumption
- Automatic Operation with different throughput achieving highest dryness up to 70% TS
- Capacity up to 90 BDMT/day equal to aprox. 350 MT/d of Wet Reject at ca.25% TS
- Designed for Easy Maintenance and all Wear Part can be refurbished for Maximum Sustainability





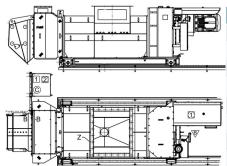
## **Typical & Proven Process Applications**

- Dewatering and Pressing Lightweight Reject from Pulping
  - Pressing "Pre- Treated" Lightweight Reject from Drum Pulper
  - Dewatering and Pressing Lightweight Reject from De-Trashing Sorting Drum
- Dewatering and Pressing Lightweight Reject from Hole Screening
  - Dewatering and Pressing Reject form Hole Screening
  - Dewatering and Pressing Reject from Combi Sorter, MODU Screens or similar

### See as well the following Products

- COMPAX CFX 60R and CFX 50R
- COMPAX CFX- F 50, 60 for Fibrous Residual Material
- ECOMPAX ECX the Simplified Version
- MBX- Belt Conveyors and MCS- Container Stations a.m.mm
- RSP Sludge and Fiber Residual Screw Press RSP 1150,800, and 650
- Reject Pre-Dewatering with ELEPHANT Disk Thickener

### **Specifications**



| COMPAX CFX-R 80     |        | Screw Compactor             | Specifications         |
|---------------------|--------|-----------------------------|------------------------|
|                     |        |                             |                        |
| Throughput Capacity | [T/d]  | approx. 350 MT/d wet 25% TS | up to 90 Bone Dry MT/d |
| Final Dryness       | [% TS] | Depending on Fiber Content  | up to 70 % TS          |
| Length              |        |                             | 4.950 mm               |
| Width               |        |                             | 2.565 mm               |
| Height              |        |                             | 1.675 mm               |
| Installed Power     |        | 400 to 690 Volt             | 55 kW                  |
|                     |        |                             |                        |



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