

# COMPAX CFX-R 80 – Screw Compactor

The Compactor with the HIGHEST CAPACITY & POWER available on the market



# COMPAX CFX-R 80 – Screw Compactor

The Compactor with the HIGHEST CAPACITY & POWER available on the market

## Technology

The COMPAX 80 R – Screw Compactor dewateres 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 pan.

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

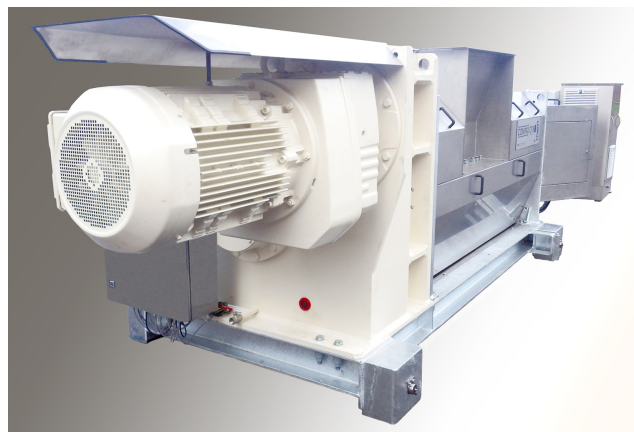
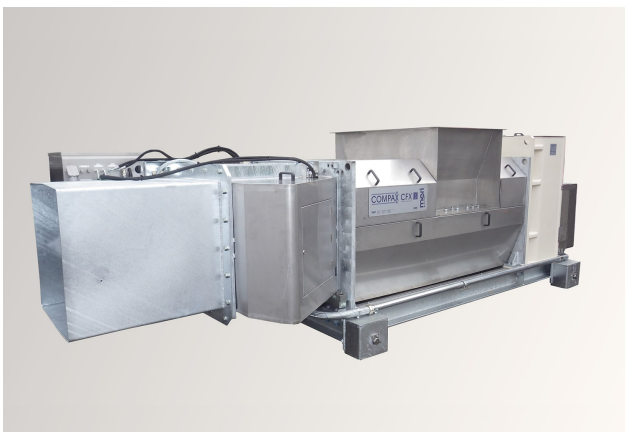
The COMPAX 80 R operates 24/7, up to 10.000 h in a row depending on the Residual characteristics, designed for lowest possible and fast maintenance to reduce cost & downtime.

## 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 Maintenance 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



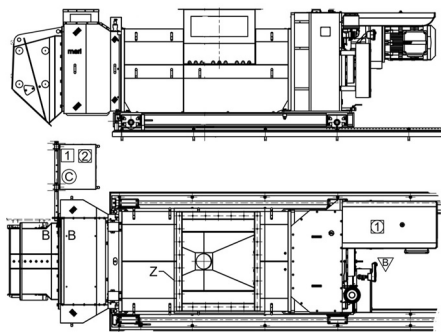
## Typical & Proven Process Applications

- 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.m
- 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

**Meri Environmental Solutions GmbH**

Bodenseestr. 113  
81243 Munich, Germany  
Tel. +49 89 59 33 44  
info@meri.de

**Voith Meri Environmental Solutions, Inc.**

2620 E. Glendale Avenue  
P.O. Box 1262  
Appleton WI 54911-1262, USA  
Tel. +1 920 734-8485  
info@meriusa.com

**Meri Sistemas e Tecnologia Ltda.**

R. Friedrich von Voith, 825  
São Paulo – SP – 02995-000, Brasil  
Tel. +55 11 3944-6644  
meribrasil@meribrasil.com.br

**Meri Environmental Technology  
(Kunshan) Co.,Ltd.**

Room 203, No.5, Qinghua Tuspark  
Zuchongzhi Road 1666  
Kunshan, Jiangsu PRC, China  
Tel. +86 51 28 68 90 834  
info@meri.cn

[www.meri.de](http://www.meri.de)



**Note:** All product-related data and information in this publication shall serve for information purposes only. They shall not be interpreted or intended to represent any kind of warranty or guarantee. The only legally binding statements are those contained solely within our quotations. Errors and omissions excepted. Technical data are subject to change.