



John Meunier ROTOPAC® TYPE RCW

DUAL STAGE SCREW WASHER COMPACTOR

WATER TECHNOLOGIES

John Meunier ROTOPAC® Type RCW

Dual Stage Screw Washer Compactor

General Specification

The Rotopac® Type RCW is a screenings handling system designed to wash, dewater and compact sewage screenings and also provides a high throughput when storm conditions occur. The Rotopac® Type RCW has a theoretical solids handling capacity of up to 280 ft³/h [8 m³/h].

The Rotopac® Type RCW incorporates a washing section, a dewatering zone, followed by a compaction section. The large fully perforated dewatering section provides additional cleaning of the screenings by the use of wash water nozzles. The wash water valve assembly includes two solenoid valves, one strainer and one manual isolating valve. The filtrate pipe assembly terminates with a flange connection.

The washed screenings are discharged through a tube which will deliver the compacted screenings (30 to 35% dry solids) into an adjacent container.

Key Benefits

- Single unit for washing, dewatering and compacting
- Final product discharged conforms to the landfill directive requirement
- Low inlet height and small foot print
- Tested at the National Screenings Treatment Equipments Test Facility, Netheridge STW, England

Materials of Construction

The body and discharge tube assembly are manufactured from stainless steel grade 304. Stainless steel grade 316 is available as an option.

The shaft and flights are manufactured from AISI 1040, 1045 with the end flight being manufactured from AISI 3415; the end flight is case hardened.

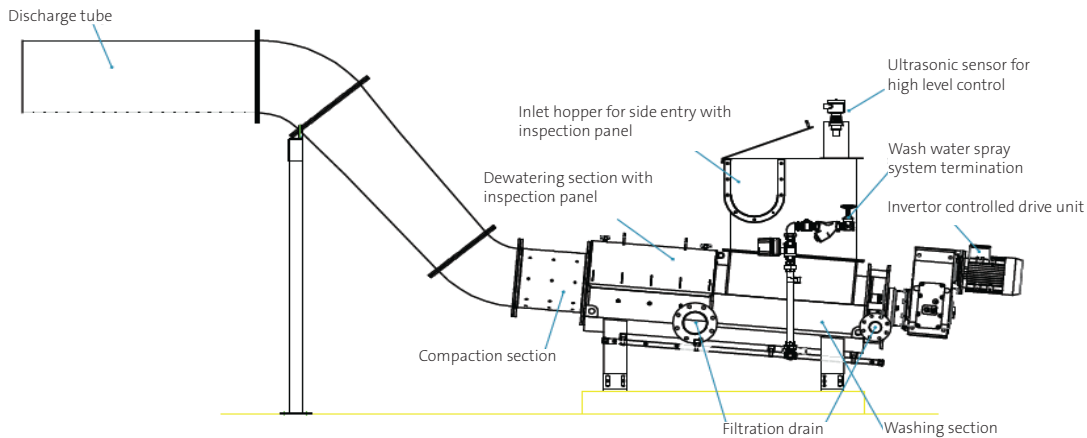
The Rotopac® Type RCW is driven by a single drive unit with a geared non hazardous motor.

The unit is supplied with a proprietary control panel. The Rotopac® Type RCW control is inverter driven to provide optimum washing of the screenings and to reduce the torque on start up, which in turn reduces wear.

Note

The above is intended as a General Specification only and should any statement given in the Equipment Specification for any particular scheme conflict with this General Specification, then the Equipment Specification shall over-rule in all cases.

Combi-Wash CW 400 Specifications



Model		Combi-Wash CW 400
Normal Screenings Capacity		up to 280 ft ³ /h [8 m ³ /h]
Peak Screenings Capacity		up to 420 ft ³ /h [12 m ³ /h]
Launder Flow Max		250 gpm [16 L/s]
Washwater Requirements		16 gpm @ 58 psi [1 L/s @ 400 kPa]
Drive Size		7.5 HP [5.5 kW]
Inverter Driven		Yes
Washing Action		40%
For sewer flow type	Gravity	Yes
	Screw Pump	Yes
	Impeller Pump	Yes

Features and Benefits

- Max 250 gpm [16 L/s] of launder water capacity
- Simple to retrofit
- Fully enclosed
- Handles unprocessed screenings
- Unique design for best compaction
- Elevated or elongated discharge chute option
- 25 years of development taken from our Rotopac® screw compactor
- Delivers 30 to 35% dry solids
- Design life >20 years

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