WASTE WATER TREATMENT

Shafted Intensive Washer Compactors
VWP-WM







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Shafted Intensive Washer Compactors VWP-WM

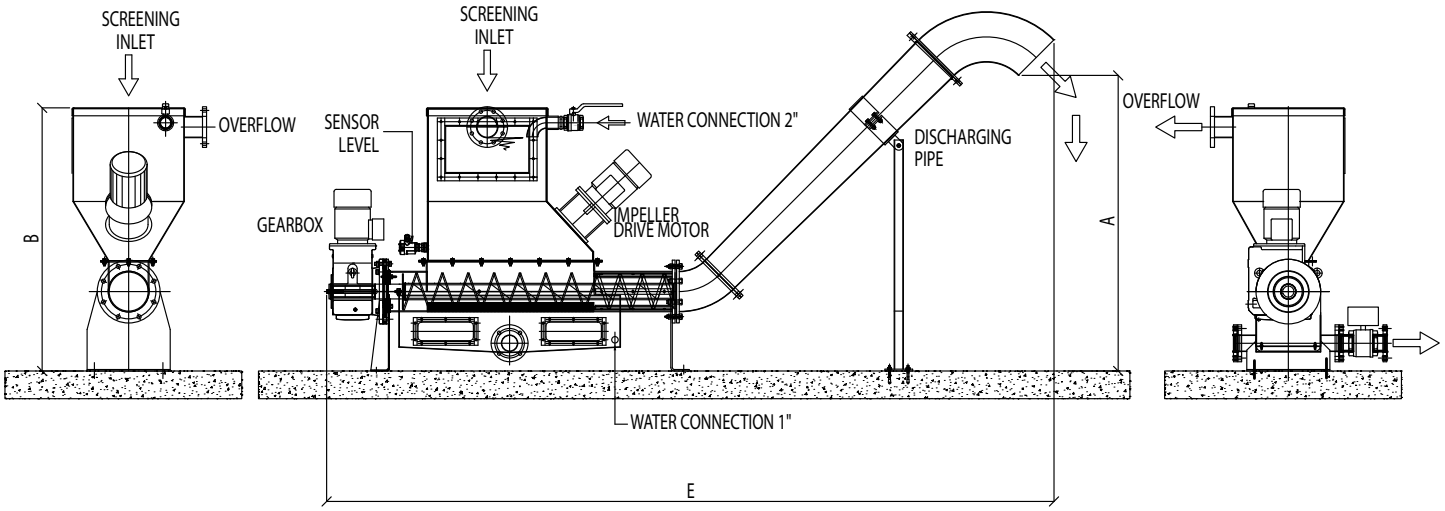
DEEP WASHING PERFORMANCE

Shafted Intensive Washer Compactors VWP WM are mainly composed of a thick directly driven, shafted steel spiral, which rotates inside the cylindrical compacting zone where screenings to be compacted are conveyed.

The compactor is equipped with a washing hopper complete with an impeller, a ball valve at the water inlet and a solenoid valve.

Screenings fall into the washing hopper that fills up with water. The impeller moves screenings together with the water to separate solids from organic particles. After washing, the hopper empties and a rotating shafted spiral conveys the solids to the compacting where screenings are dehydrated and conveyed to the outlet. The liquid produced by compaction and washing is reintroduced into the purification process through the screening channel.

Overall Dimensions



Dimensions and Technical Features	VWP 1 WM	VWP 2 WM	VWP 3 WM
DISCHARGE HEIGHT A - mm	1,600	1,700	2,300
INLET HEIGHT B - mm	1,425	1,550	1,630
TOTAL LENGTH E - mm	3,940	4,000	5,265
TAPERED COMPACTING PIPE G - DN	200 > 250	250 > 300	300 > 350
WASH WATER CONNECTION I - inch	1"	1"	1"
WASH WATER CONNECTION II - inch	2"	2"	2"
WASH WATER PRESSURE - bar	2 - 3	2 - 3	2 - 3
SCREW COMPACTOR DIAMETER - mm	185	250	300
DRIVE MOTOR POWER - kW	3.0	3.0	5.5
IMPELLER MOTOR POWER - kW	4.8	4.8	4.8
ELECTRIC BALL VALVE - kW	0.11	0.11	0.11
MOTOR PROTECTION	IP 55	IP 55	IP 55
CAPACITY - m^3/h	2	3,5	6

For reference only: for detailed drawings please contact the manufacturer

Benefits

- ✓ **High level of dehydration**
- ✓ **Organic matter removal**
- ✓ **Odour abatement**
- ✓ **Low running and maintenance costs**
- ✓ **Compact Footprint**



Technical Features

- 3 sizes available
- From 2 up to 6 m³/h of screenings managed
- Washing system for removal of organic matter
- Shafted spiral
- Frame manufactured from 304 L / 316 L SS
- Spiral manufactured from special ST 52 steel, optioanlly 304 L / 316 L SS


Motor-driven impeller


Discharge ball valve



Accessories

- Inlet hopper in different sizes
- Compacting pipe in different lengths and installation angles
- Control panel

Application







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