

# Waste Water Treatment

## Shafted Washer Compactors VWP - WM



### Description ▼

Shafted 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.

### Application ▼



### Benefits ▼

- ✓ Volume reduction of up to 65%;
- ✓ Organic matter removal;
- ✓ Odour abatement.



Available from:  
**FILQUIP Pty Limited**

5/126 Compton Rd, Underwood,  
Qld 4119 Australia

Ph: +61 7 3208 3499 Fx: +61 7 3208 3449

Email: [sales@filquip.com.au](mailto:sales@filquip.com.au)

[www.filquip.com.au](http://www.filquip.com.au)

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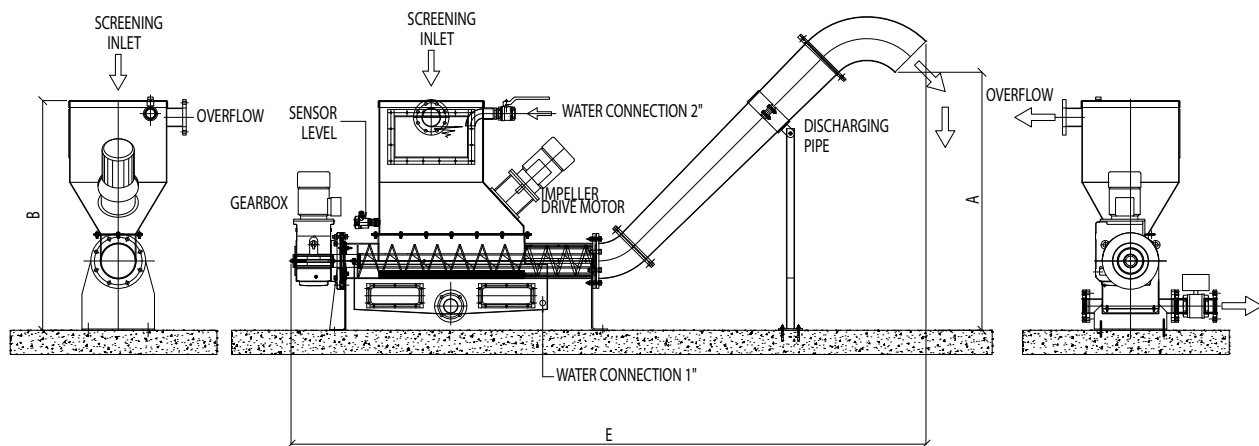
## Shafted Washer Compactors VWP - WM



### Technical Features / Performance

- ▶ 3 sizes
- ▶ From 1.5 up to 6 m<sup>3</sup>/h screenings
- ▶ Washing system with special hopper and impeller
- ▶ Shafted spiral
- ▶ Frame manufactured from 304 L / 316 L SS
- ▶ Spiral manufactured from special ST 52 steel, or 304 L / 316 L SS
- ▶ Inlet hopper in different sizes (option)
- ▶ Compacting pipe in different lengths and installation angles (option)
- ▶ Control panel (option)
- ▶ Bagger (option)

### Overall Dimensions



VWP WM - SHAFTED WASHER COMPACTOR

| 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 <sup>3</sup> /h    | 2         | 3,5       | 6         |



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