

Z-Filter

Z-Filter Model: Z300A

The Z300A is a compact, portable unit for high-capacity continuous dewatering of slurries. It is economical to own and operate, and meets a high standard of safety and reliability.

Typical Applications

- Municipal waste water
- Water treatment plant sludge (Alum sludge)
- Industrial effluent
- Waste water from dairy and other food production
- Mining fines/tailings
- Agricultural effluent
- Biogas digestate
- Drilling and hydro-excavation muds
- Pharmaceutical effluent

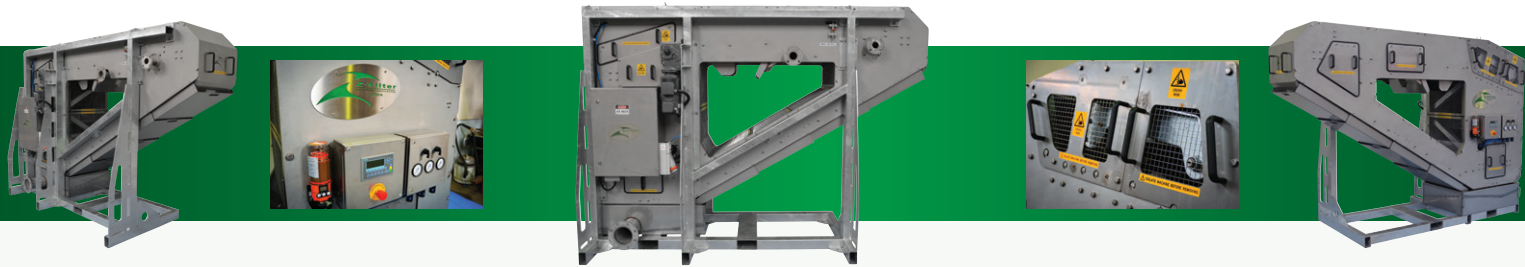
Benefits

- Very compact (~2 metric ton)
- Continuous process
- High throughput (up to 30m³/hour feed)
- Portable
- Very low power draw
- Simple to operate
- Little maintenance required
- Cost-effective
- Enclosed filter-sock with no spillage

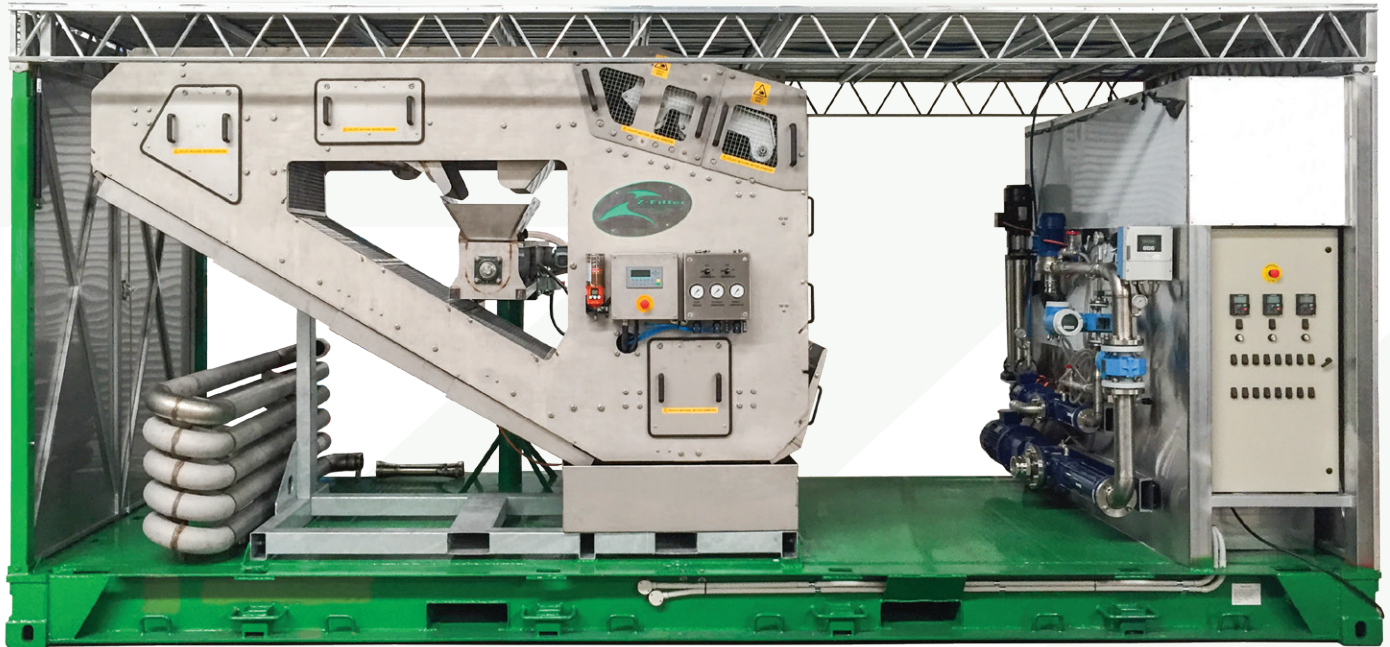


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Processing capacity	<ul style="list-style-type: none"> 1m³/h to 30m³/h (application dependent – refer to Z300A application-based performance specification)
Filter cake % total solids	<ul style="list-style-type: none"> Refer to Z300A application-based performance specification
Power supply	<ul style="list-style-type: none"> 400-415V AC <1.5kW at full load (machine only)
Compressed air supply	<ul style="list-style-type: none"> Pressure – 6 bar (87 psi) Consumption – negligible
User interface	<ul style="list-style-type: none"> Siemens panel (or customer preference)
Filter-sock speed	<ul style="list-style-type: none"> Variable operating speed to suit application Low speed forward/reverse manual jog function
Materials of construction	<ul style="list-style-type: none"> Standard specification: Galvanised supporting frame; Stainless steel 304 plates, chutes, guards, shafts and bearing housings; Coated aluminium guide pulleys; Engineering plastics Stainless steel specification: SS304 or SS316 supporting frame; Stainless steel 304 or 316 plates, chutes, guards, shafts and bearing housings; Coated aluminium guide pulleys; Engineering plastics
Mass	<ul style="list-style-type: none"> Approximately 2 metric ton
Portability	<ul style="list-style-type: none"> Lifting lugs Forklift handling provision Skid-mounted all-in-one dewatering plant available

