



GEOTEXTILE DEWATERING TUBES

Large Scale Filtration

Geotextile and sludge dewatering tubes are an economical solution for larger dewatering jobs. Whether you're looking to use for Waste Water Treatment Plants, agricultural ponds, dredging, or coastal breakwaters, these high filter dewatering tubes effectively remove waste and other pollutants. We have geotextile tubes to fit your project and budget, and can be customized to suit your specific locations. We have a variety of styles and sizes available.



DEWATERING TUBES

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Geotextile tubes are the largest dewatering product we offer. These dewatering tubes allows large amounts of sludge and silt to be filtered without having to change or replace the dewatering product. Tubes work best when filled to 85% capacity then allowed to consolidate. Geotextile tubes are refilled, and the cycle continues until the solids reach 85% capacity. The best results are achieved when dewatering tubes are left in place for extended periods. Once the filtration process is complete, the material can be removed and transported to an off-site location or used as fill or compost.



Geotextile Tube Features

- Fabric: High Strength Geotextile
- Length: up to 200 ft.
- Circumference: up to 120 ft.
- Effectively Filters out Silt, Sediment, Sludge, and Waste
- Easy removal and disposal of solids
- UV Stabilized

Geotextile Tube Benefits

- Designed for Large Dewatering Projects
- High Strength Woven Geotextile Fabrics
- Large Sizes Available
- Easy to Size for Specific Requirements
- Cost effective and low maintenance
- Efficient, versatile and environmental friendly
- Reduces risks in operational safety
- Reliable in all weather conditions



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Geotextile Dewatering Tube Specifications

Property	Value	Additional Notes
Length	22', 50', 57', and 100'	Other Lengths by Special Order
Circumference	22.5', 30', 45', 60', 120'	
Filling Port Spacing	1 - 3 ports	Average One Port Every 50' of Length

Geotube Sludge Dewatering Capacity

Size Per Tube (Circumference)	Tube Volume(Cy/Tube) Silts & Organics	Tube Volume(Cy/Tube) Sand & Minerals
22.5 ft.	20 - 25	20 - 25
30 ft.	99	85
45 ft.	367	309
60 ft.	553	464
120 ft.	1460	1185

**Custom sizes are also available upon request*

How Geotextile Dewatering Tubes Work



1. Filling

2. Dewatering

3. Consolidation

Sludge or silt is pumped into the dewatering tube. Solids bind together, allowing the water or liquid to separate out.

Clear effluent water drains from tube, leaving 99% of solids in the tube. Clear filtered water can then be recirculated in the system.

Solids remain in the bag. When tube is full, contents are deposited in landfill or removed and applied to land when appropriate.



DEWATERING TUBES

Applications

Significantly larger than [dewatering bags](#), our strong geotextile dewatering tubes are fabricated from specially engineered geotextiles, providing superior containment of fine solids and more clean water flow rate. With its large capacity and high strength, geotextile dewatering tubes are ideal for applications across many industries. Used in wastewater treatment plants, agricultural ponds, aquaculture facilities, paper mills, and industrial lagoons.

Dredging

Dewatering tubes are used for dredging projects to filter sludge materials. Dredging prevents sludge and mud buildup, so that boats and ships can navigate safely through canals and rivers. Dredging helps prevent flooding by filtering the sludge and sediment from waterways.



Breakwaters

Geotextile dewatering tubes help prevent beach erosion when used for breakwaters along the coastline. The breakwater tube interrupts the force of the waves, preventing beaches and coastlines from eroding. Dewatering tubes are filled with sand, taking the impact of waves and preventing beach sand from washing out to sea.



Other Applications

- Agricultural Compost
- Dams and Harbors
- Pond Remediation
- Coastal Protection
- Breakwater for Hotels and Beach Side Homes
- Dewatering in Wastewater Plants, Coal Plants, and More



DEWATERING TUBES

Other Dewatering Products

Also available:

Dewatering Socks

For smaller scale dewatering or filtration projects. Pipe socks capture sediment, oil and other liquid hydrocarbon contaminants, while allowing the filtered water to flow through. They attach easily to pipes or hoses and are available in several sizes with 8" to 16" diameter openings. Learn more about Dewatering Socks.



Dewatering Bags

Smaller than dewatering tubes, dewatering bags filter water when from work sites or construction locations, keeping your site in compliance and avoiding costly fines. Filtration bags trap and filter out silt, dirt, debris and other pollutants allowing only the water to escape on the ground or in nearby storm drains. Learn more about Dewatering Bags.



Dewatering Pond Liners

Flexible pond liners provide long-lasting containment of contaminants collected in liquid storage ponds, pits or lagoons. Constructed from durable filter fabrics, these liners offer the strength and stability necessary to maintain manmade structures and contours during use. Learn more about Dewatering Pond Liners.



For more complete information on One Clarion products and solutions, visit us on the Web at www.clarionmunicipal.com.

Phone: (+1) 863-261-8388 | info@oneclarion.com

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