Dewatering and Sediment Filter Bags Specifications

1327 Century Way
Wylie TX 75098
Ph: 972-575-8800
Fax: 972-575-8810

SILT CONTROL FOR WATER TRANSFER

Use these filter bags whenever a body of dirty water has to be pumped. These bags collect sand, silt and fines to avoid silting of streams, surrounding property and storm sewers. Installation and disposal of used bags is easy as the bags are equipped with a sewn-in hose inlet and heavy duty ties for attachment to the pump discharge outlet.

Heavy Duty Construction
Designed For Efficient Operation
Meets or Exceeds Many DOT Specifications

APPLICATIONS

Construction Site Development
Foundation Water Control
Water and Sewer Lines
Highway Construction
Marina and Fisheries Areas
Golf Course Retaining Ponds
Pipeline Construction
Swimming Pool Cleaning
Flood Control
Reservoir Protection

Dewatering and Sediment Filter Bags Specifications

Non-woven Polypropylene Fabric with Heavy Duty Double Stitched Seams, Sewn-in Spout and Spout Ties.

Property	ASTM Test	Unit	Value
Weight	D-3776	oz/yd	8
Grab Tensile	D-4632	lbs	200
Puncture	D-4833	lbs	130
Permittivity	D-4491	Sec-1	1.5
Flow Rate	D-4491	Gal/min/ft	80
UV Resistance	D-4355	%	70
A.O.S.	D-4751	U.S.Sieve/mm	80/.180

Procedure for best utilization of bags:

If possible, place bag on a slope so incoming water is flowing downhill through the bag without causing additional erosion. Securely clamp or strap the neck of the bag to the pump with a rigid pump discharge tube inserted 2' to 3' into the bag itself. To maximize the efficiency of filtration, place the bag on a bed of aggregate or pallets rather than the ground.

Depending on the clarity of the draining water, and the amount and type of sediment involved, it may be necessary to periodically massage the bag with a stiff sweeper broom or the flat surface of a shovel taking care not to puncture the bag. The bag is full when it can no longer efficiently filter sediment or allow water to pass through at a reasonable rate. Overfilling the bag withy sediment can cause a rupture of the bag, a failure of the hose attachment clamps/straps, or increased back pressure to the pump.

Recommended bag sizes for pumps are: 2" pump — 5' X 6' bag
3" pump — 10' X 15' bag
4" pump — 15' X 20' bag
6" pump — 15' X 25' bag

Dispose of the bag as directed by the site engineer. If allowed, the bag can be cut open, the visible fabric removed, and the contents seeded. Off-site disposal can be facilitated by placing the bag in a dump truck, on pallets, before use and letting the water drain from the bag while in place. This negates the need to lift the filled bag.

NOTE: Flow rates and bag life will vary depending on bag size, the type/amount of sediment discharging into the bag, the type pf rock, ground or other substance under the bag and the degree of slope on which the bag is filled.