ULTRATECH INTERNATIONAL, INC.

Ultra-Dewatering Bag® Specifications

Material Specifications

Properties	ASTM Test	Value
Material: Non-Woven, Polyethylene Geotextile	-	-
Grab Tensile	D 4632	205 lbs
Elongation at break	D 4632	50%
Trapezoid Tear	D 4533	80 lbs
Puncture	D 4833	525 lbs
Mullen Burst	D 3786	420 psi
Permittivity	D 4491	1.5 sec^{-1}
A.O.S. (U.S. sieve no.)/ mm	D 4781	80/0.18
UV Stability (strenth retained %) 500 Hours	D 4355	70%
Fabric Weight (oz./yd^2)(typical)	D 5261	8 oz/yd^2
Flow Rate	D 4491	90 gpm/ft^2
Filter Efficiency	D 5141	99.0 %

Unit Specifications

Model	Fabric QTY	Max Flow Rate* (GPM)	Sediment Capacity (Cu Ft)	Sediment Capacity (lbs.)
3'x4' Part # 9729-O/S	24 sq ft	200	12	1,440
4'x6' Part # 9720-O/S	50 sq ft	250	24	2,880
6'x6' Part # 9724-O/S	74 sq ft	275	36	4,320
6'x9' Part # 9721-O/S	110 sq ft	350	54	6,480
8'x8' Part # 9723-O/S	130 sq ft	350	64	7,680
10'x15' Part # 9725-O/S	302 sq ft	400	150	18,000
15'x15' Part # 9727-O/S	452 sq ft	500	225	27,000

NOTE ON MAXIMUM FLOW RATES: Flow rates are appoximates. The starting flow rates are based on fabric lab testing of flow rates. Note that each project has different variables that will affect the flow rate and performance of the bag. User should monitor performance of the bag for the duration of use.

DISCLAIMER: Frequent monitoring/inspection of dewatering bags is required. UltraTech is not liable for any damage caused by rupture or over-filling of Ultra-Dewatering Bags. If your Ultra-Dewatering Bag fails to fully pass pumped water, turn off the pump and contact your distributor or UltraTech International, Inc. at 904-292-1611 / 800-353-1611.

Over for installation, use and disposal guidelines

Rev. 1.11.24

UltraTech International, Inc. · 11542 Davis Creek Court, Jacksonville, Florida 32256 USA
(800) 353-1611 · 1-904-292-1611 · stormwaterproducts.com

Installation, Use and Disposal

Install the Ultra-Dewatering Bag® on a slope so incoming water flows downhill through the Ultra-Dewatering Bag® without creating more erosion. Strap the neck of the Ultra-Dewatering Bag® tightly to the discharge hose. To increase the efficiency of filtration, place the bag on an aggregate or hay bale bed to maximize water flow through the surface area of the bag.

The Ultra-Dewatering Bag® is full when it no longer can efficiently filter sediment or pass water at a reasonable rate. Flow rates will vary depending on the size of the Ultra-Dewatering Bag®, the type and amount of sediment discharged into the Ultra-Dewatering Bag®, the type of ground, rock or other substance under the bag and the degree of the slope on which the bag lies. Use of excessive flow rates or overfilling Ultra-Dewatering Bag® with sediment will cause ruptures of the bags or failure of the hose attachment straps.

Dispose of the Ultra-Dewatering Bag® as directed by the site engineer. If allowed, the Ultra-Dewatering Bag® may be cut open and the contents seeded after removing visible fabric.

The facts stated and the recommendations made herein are offered free of charge and are accurate to the best of our knowledge. UltraTech International, Inc. assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. UltraTech disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing o usage of trade as to any equipment, material, or information furnished herewith. Final determination of the use of any information or material, or how it is useful, and whether the use infringes any patents is the sole responsibility of the user.

ULTRATECH INTERNATIONAL, INC.

Ultra-Hose Connector® Instructions

FOR QUICK AND EASY HOSE CONNECTIONS WITH ULTRA-DEWATERING BAGS AND ULTRA-PIPE SOCKS (NOT INCLUDED)

1. Remove the Ultra-Hose Connector from the shipping box. The unit is ready for use.
2. Remove the stainless steel clamp by pushing up on the screw with your thumb.
3. Screw the threaded end of the Ultra-Hose Connector to the pump hose.
4. Place the opening of the Ultra-Dewatering Bag or Ultra-Pipe Sock on the Ultra-Hose Connector, gathering it together in the constricted area between the two ends of the connector. Replace the steel clamp by inserting the notched end into the fitting. Tighten the clamp with a flat-head screwdriver to secure the Ultra-Dewatering Bag or Ultra-Pipe Sock.
5. Begin pumping into the Ultra-Dewatering Bag until pumping is complete or the bag is full, or through the Ultra-Pipe Sock as needed.
6. Hold the opening of the Ultra-Dewatering Bag or Ultra-Pipe Sock in a slightly elevated position, and push up on the clamp screw to release the bag.
7. Roll the end of the opening two to three turns and use the attached ties on the UltraDewatering Bag or Ultra-Pipe Sock to secure the opening.
8. If additional Ultra-Dewatering Bags or Ultra-Pipe Socks are need at this site, attach per step 4 above.
9. When the dewatering is complete, unscrew the Ultra-Hose Connector from the pump hose, re-attach the stainless steel clamp and wipe down the unit with a clean cloth.

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Ultra-Dewatering Bag®

Instructions

Installation

- Install the Ultra-Dewatering Bag on a slope so incoming water flows downhill through the Ultra-Dewatering Bag without creating more erosion.
- Strap the neck of the Ultra-Dewatering Bag tightly to the discharge hose.
- To increase the efficiency of filtration, place the bag on an aggregate or hay bale bed to maximize water flow through the surface area of the bag.

Operation

- The Ultra-Dewatering Bag is full when it no longer can efficiently filter sediment or pass water at a reasonable rate.
- Flow rates will vary depending on the size of the Ultra-Dewatering Bag, the type and amount of sediment discharged into the Ultra-Dewatering Bag, the type of ground, rock or other substance under the bag and the degree of the slope on which the bag lies.
- Under most circumstances Ultra-Dewatering Bag will accommodate flow rates of up to 500 gallons per minute when new.
- Use of excessive flow rates or overfilling Ultra-Dewatering Bag with sediment will cause ruptures of the bags or failure of the hose attachment straps.

Disposal

- Dispose of the Ultra-Dewatering Bag as directed by the site engineer.
- If allowed, the Ultra-Dewatering Bag may be cut open and the contents seeded after removing visible fabric.
- The Ultra-Dewatering Bag is strong enough to be lifted with added straps if it must be hauled away (extra option).
- Off-site disposal may be facilitated by placing the Ultra-Dewatering Bag in the back of a dump truck or flatbed prior to use and allowing the water to drain from the bag in place, thereby dismissing the need to lift the Ultra-Dewatering Bag.

DISCLAIMER: Frequent monitoring/inspection of dewatering bags is required. UltraTech is not liable for any damage caused by rupture or over-filling of Ultra-Dewatering Bags. If your Ultra-Dewatering Bag fails to fully pass pumped water, turn off the pump and contact your distributor or UltraTech International, Inc. at 904-292-1611 / 800-353-1611.

ADOT Research Center
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June 3, 2014

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www.spillcontainment.com
jacque.hahn@spillcontainment.com

Re: Product ID No(s): 11168, 11169, 11170
Product(s): Ultra-Dewatering Bag Part No. 9729 O/S, Ultra-Curb Guard Plus Part No. 9248 and 9251, Ultra-Drain Guard Part No. 9217
Category(s): Y-10A, Erosion Control: Stormwater Quality Protection & Erosion/Sediment Control: General; Y-10H, Storm Water Quality Protection & Erosion/Sediment Control: Filters and Filter Material for: Gravel Bags, Storm Drain Inlets, Curb Inlets, Drop Inlets, Weep Holes, Dewatering Bags, Fabric Bags, Inlet Grates, etc.

To Whom It May Concern:

The Arizona Department of Transportation (ADOT) has approved the product listed on the enclosed excerpts from ADOT's Approved Products List (APL). Please note the product name associated with your company and the notes, limitations or conditions listed.

Approved products will be added to the June 2014 APL. A copy of the list can be obtained from the Internet at the following address: http://www.azdot.gov/apl.

Please note that ADOT does not endorse these products, nor can this approval be used as an endorsement. It is your responsibility to recertify this product every five years or any time this product is modified. If you fail to comply with this policy, this product will be removed from the APL.

Sincerely,

Stephanie Huang, PE
Product Evaluation Program Manager
(602) 712-6430 | apl@azdot.gov

Enclosure: Approved Products Listing

	Y-10A – Erosion Control: Stormwater Quality Protection & Erosion/Sediment Control: General ADOT Specifications: 810 ADOT Drawings: None Responsible Section: Roadside Development					
Category	**ID/Rpt. No.**	**Product**	**Notes**	**Approval Date**	**Recertify Date**	**Manufacturer**
Y-10A	11168	Ultra-Dewatering Bag Part No. 9729 O/S	Note: This product meets the ADOT requirements for a "High Survivability Fabric."	5/14	5/19	UltraTech International, Inc. 11542 Davis Creek Court Jacksonville FL 32256 (904) 292-1611 ext. 215 www.spillcontainment.com
Y-10A	11170	Ultra-Drain Guard Part No. 9217	Note: This product meets the ADOT requirements for a "High Survivability Fabric."	5/14	5/19	UltraTech International, Inc. 11542 Davis Creek Court Jacksonville FL 32256 (904) 292-1611 ext. 215 www.spillcontainment.com

	Y-10 H – Storm Water Quality Protection & Erosion/Sediment Control: Filters and Filter Material for: Gravel Bags, Storm Drain Inlets, Curb Inlets, Drop Inlets, Weep Holes, Dewatering Bags, Fabric Bags, Inlet Grates, etc. ADOT Specifications: Sections: 810 and 1014 ADOT Drawings: None Responsible Section: Roadside Development					
Category	**ID/Rpt. No.**	**Product**	**Notes**	**Approval Date**	**Recertify Date**	**Manufacturer**
Y-10H	11169	Ultra-Curb Guard Plus Part No. 9248 and 9251		5/14	5/19	UltraTech International, Inc. 11542 Davis Creek Court Jacksonville FL 32256 (904) 292-1611 ext. 215 www.spillcontainment.com