



**ULTRATECH**  
INTERNATIONAL, INC.

## Ultra-Filter Sock Specification

**Product:** Ultra-Filter Sock

**Manufacturer:**

UltraTech International, Inc.  
11542 Davis Creek Court  
Jacksonville, FL 32256 USA

**Email:** info@stormwaterproducts.com  
www.stormwaterproducts.com



### 1.0 Description of Work

1.1 This work shall consist of furnishing, installing, maintaining, and removing Ultra-Filter Sock sediment control device as directed by the engineer or as shown on the site drawings.

### 2.0 Materials

2.1 There are five types of Ultra-Filter Sock:

- Ultra-Filter Sock** - Activated Carbon
- Ultra-Filter Sock** - Sorb 44
- Ultra-Filter Sock** - Sediment Removal
- Ultra-Filter Sock** - PhosFilter
- Ultra-Filter Sock** - Heavy Metal Removal (HMRM)

2.2 Ultra-Filter Sock shall be manufactured from a specially designed woven polymer casing.

2.3 Ultra-Filter Sock shall be manufactured in nine foot lengths and filled with different types of media to filter out different pollutants/contaminants. Ultra-Filter Sock will have the following features: looped ends that can be used as handles for placement/installation/removal or to secure the unit in place with stakes. The Filter Sock shall be manufactured using a high UV rated, woven polymer casing.

2.4 The Ultra-Filter Sock unit shall utilize a woven polymer fabric with the following characteristics:

### Specifications for Ultra-Filter Sock

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	184 / 160
Puncture	ASTM D6241	lbs	558
Trapezoid Tear	ASTM D4533	lbs	99 / 67
AOS	ASTM D4751	US Sieve	30
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.7

### 3.0 Construction Sequence

#### 3.1 General

3.1.1 Install the Ultra-Filter Sock in front of the curb inlet opening. Each end of the Ultra-Filter Sock should overlap the curb inlet approximately 12”.

3.1.2 The Ultra-Filter Sock should be cleaned if a visual inspection shows silt and debris build up around the unit.

3.1.3 To remove the Ultra-Filter Sock, lift out of the opening.

3.1.4 The Ultra-Filter Sock is reusable. Once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out of the sunlight until needed on the next project.

3.1.5 Ponding is likely if sediment is not removed regularly. Inspection of Ultra-Filter Sock should be on a regular basis and immediately after major rain events.

### 4.0 Basis of Payment

4.1 Payment for all Ultra-Filter Sock units used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested.

Note: This information is provided as reference only and is not intended as a warranty or guarantee. UltraTech International, Inc. assumes no liability in connection with the use of this information (8/1/24).