



**ULTRATECH**  
INTERNATIONAL, INC.

## Ultra-Drain Guard, Ultimate Model Specification

**Product:** Ultra-Drain Guard, Ultimate Model

**Manufacturer:**

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### 1.0 Description of Work

1.1 This work shall consist of furnishing, installing, maintaining, and removing Ultra-Drain Guard, Ultimate Model sediment/pollutant control device as directed by the engineer or as shown on the site drawings.

### 2.0 Ultra-Drain Guard, Ultimate Model Materials

2.1 Ultra-Drain Guard, Ultimate Model shall be manufactured from a specially designed non-woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

2.2 Ultra-Drain Guard, Ultimate Model shall be manufactured to fit the opening of the catch basin or drop inlet. Ultra-Drain Guard, Ultimate Model will have the following features: four lifting straps attached at the top to facilitate removing and emptying; Ultra-Drain Guard, Ultimate Model shall have lifting straps as an integral part of the system to be used to lift unit from the basin;

2.3 Ultra-Drain Guard, Ultimate Model shall be manufactured with 1.5"W x 20"L strips of oil absorbent and antimicrobial fabric.

2.4 The Ultra-Drain Guard, Ultimate Model unit shall utilize a nonwoven fabric with the following characteristics:

## Specifications for Ultra-Drain Guard, Ultimate Model

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	205
Grab Elongation	ASTM D4632	%	50
Puncture	ASTM D6241	lbs	525
Trapezoid Tear	ASTM D4533	lbs	85
AOS	ASTM D4751	US Sieve	80 / 180
Flow Rate (through material)	ASTM D4491	gal/min/ft <sup>2</sup>	90
Flow Rate (bypass ports gpm)	ASTM D4491	gpm	770
Flow Rate (bypass ports cfs)	ASTM D4491	cfs	1.7
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.5

### 3.0 Construction Sequence

- 3.1 To install Ultra-Drain Guard, Ultimate Model in the catch basin, remove catch basin grating. Clean dirt and debris from grating ledge. Insert Drain Guard. Reinstall grate. Drain Guard skirt must be secured (pinched) between grating and ledge. Cut the excess fabric off with a blade or knife if desired.
- 3.2 To remove Ultra-Drain Guard, Ultimate Model, lift grate/Drain Guard from catch basin using lifting straps.
- 3.3 Once the construction cycle is complete, remove Drain Guard from the basin and dispose of in accordance with local regulations and statutes.

### 4.0 Basis of Payment

- 4.1 Payment for all Ultra-Drain Guard, Ultimate Model 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).