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## M.W. WATERMARK SPC-300 SLANT PLATE CLARIFIER SPECIFICATION

### DESCRIPTION

Model: SPC-300 Incline Plate Clarifier  
Nominal Capacity: 300 GPM

### MATERIALS OF CONSTRUCTION

HRS 1/4" Plate  
Material surface blasted to near white  
Settling Plates - 1/4 Grey PVC

### COATING

#### Interior

(1) One application of white polyamide epoxy  
(1) One application of black polyamide epoxy

#### Exterior

(1) One application of blue polyamide epoxy

### DESIGN PARAMETERS

Design Flow Maximum	300 GPM
Flash Mix Tank Volume	186 gallons
Flocculation Tank Volume	742 gallons
Total Pre-treatment Volume	928 gallons
Effluent Piping Connection	8" 150# Flange
Solids Discharge Connection	6" 150# Flange
Sludge Capacity	834 gallons
Plate Area	1,139 ft <sup>2</sup>
Projected Plate Area	747 ft <sup>2</sup>
Empty Shipping Weight	13,200 lbs.
Full Operating Weight	58,300 lbs.
Liquid Volume	5,414 gallons
Retention Time @ Maximum Flow Rate	18 minutes
Gallons / ft <sup>2</sup>	0.36
Physical Size	185" L x 100" W x 145" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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