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## M.W. WATERMARK SPC-150 SLANT PLATE CLARIFIER SPECIFICATION

### DESCRIPTION

Model: SPC-150 Incline Plate Clarifier  
Nominal Capacity: 150 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	150 GPM
Flash Mix Tank Volume	110 gallons
Flocculation Tank Volume	316 gallons
Total Pre-treatment Volume	426 gallons
Effluent Piping Connection	6" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	469 gallons
Plate Area	728 ft <sup>2</sup>
Projected Plate Area	400 ft <sup>2</sup>
Empty Shipping Weight	7,400 lbs.
Full Operating Weight	22,900 lbs.
Liquid Volume	1,859 gallons
Retention Time @ Maximum Flow Rate	12.5 minutes
Gallons / ft <sup>2</sup>	0.47
Physical Size	135" L x 77" W x 147" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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