

## M. W. WATERMARK SPC-5 SLANT PLATE CLARIFIER SPECIFICATION

### DESCRIPTION

Model: SPC-5 Incline Plate Clarifier  
Nominal Capacity: 5 GPM

### MATERIALS OF CONSTRUCTION

HRS 3/16" Plate  
Material surface blasted to near white  
Settling Plates - 1/4 Gray 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	5 GPM
Flash Mix Tank Volume	4.4 gallons
Flocculation Tank Volume	6.5 gallons
Total Pre-treatment Volume	10.9 gallons
Effluent Piping Connection	1" 150# Flange
Solids Discharge Connection	1" 150# Flange
Sludge Capacity	17 gallons
Plate Area	19 ft <sup>2</sup>
Projected Plate Area	8.9 ft <sup>2</sup>
Empty Shipping Weight	765 lbs.
Full Operating Weight	1,325 lbs.
Liquid Volume	67 gallons
Retention Time @ Maximum Flow Rate	13 minutes
Gallons / ft <sup>2</sup>	0.53
Physical Size	45" L x 23" W x 51" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids