

## M.W. WATERMARK SPC-20 SLANT PLATE CLARIFIER SPECIFICATION

### DESCRIPTION

Model: SPC-20 Incline Plate Clarifier  
Nominal Capacity: 20 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	20 GPM
Flash Mix Tank Volume	38 gallons
Flocculation Tank Volume	62 gallons
Total Pre-treatment Volume	100 gallons
Effluent Piping Connection	4" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	88 gallons
Plate Area	91 ft <sup>2</sup>
Projected Plate Area	49 ft <sup>2</sup>
Empty Shipping Weight	2,065 lbs.
Full Operating Weight	5,310 lbs.
Liquid Volume	389 gallons
Retention Time @ Maximum Flow Rate	19.5 minutes
Gallons / ft <sup>2</sup>	0.4
Physical Size	70" L x 60" W x 94" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

