

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	6.3 gallons
Total Pre-treatment Volume	10.7 gallons
Effluent Piping Connection	2" 150# Flange
Solids Discharge Connection	2" 150# Flange
Sludge Capacity	17 gallons
Plate Area	19 ft ²
Projected Plate Area	8.9 ft ²
Empty Shipping Weight	800 lbs.
Full Operating Weight	1,325 lbs.
Liquid Volume	67 gallons
Retention Time @ Maximum Flow Rate	13 minutes
Gallons / ft ²	0.53
Physical Size	45" L x 23" W x 51" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

