

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 ²
Projected Plate Area	8.9 ft ²
Empty Shipping Weight	765 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

