

M.W. WATERMARK SPC-10 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-10 Incline Plate Clarifier
Nominal Capacity: 10 GPM

MATERIALS OF CONSTRUCTION

HRS 3/16" Plate
Material surface blasted to near white
Settling Plates - 1/4 Grey PVC

COATING

Interior – 5 mil DFT

(1) One application of white polyamide epoxy
(1) One application of black polyamide epoxy

Exterior – 6 mil DFT

(1) One application of blue polyamide epoxy

DESIGN PARAMETERS

Design Flow Maximum	10 GPM
Flash Mix Tank Volume	4.5 gallons
Flocculation Tank Volume	20.5 gallons
Total Pre-treatment Volume	25 gallons
Effluent Piping Connection	3" 150# Flange
Solids Discharge Connection	3" 150# Flange
Sludge Capacity	42 gallons
Plate Area	38 ft ²
Projected Plate Area	20 ft ²
Empty Shipping Weight	1,400 lbs.
Full Operating Weight	2,875 lbs.
Liquid Volume	177 gallons
Retention Time @ Maximum Flow Rate	18 minutes
Gallons / ft ²	0.43
Physical Size	56" L x 44" W x 64" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

