

M.W. WATERMARK SPC-40 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-40 Incline Plate Clarifier
Nominal Capacity: 40 GPM

MATERIALS OF CONSTRUCTION

HRS 1/4" Plate
Settling Plates - 1/4 Grey PVC

COATING

Interior

Material surface blasted to near white
(1) One application of white polyamide epoxy
(1) One application of black polyamide epoxy

Exterior

Material surface blasted to near white
(1) One application of blue polyamide epoxy

DESIGN PARAMETERS

Design Flow Maximum	40 GPM
Flash Mix Tank Volume	50 gallons
Flocculation Tank Volume	99 gallons
Total Pre-treatment Volume	149 gallons
Effluent Piping Connection	4" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	150 gallons
Plate Area	198 ft ²
Projected Plate Area	107 ft ²
Empty Shipping Weight	3,600 lbs.
Full Operating Weight	9,000 lbs.
Liquid Volume	648 gallons
Retention Time @ Maximum Flow Rate	16 minutes
Gallons / ft ²	0.43
Physical Size	87" L x 60" W x 104" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

