



mwwatermark.com

616.399.8850

4660 136th Ave

Holland, MI 49424

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	31.2 gallons
Flocculation Tank Volume	59.7 gallons
Total Pre-treatment Volume	90.9 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	3,100 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	89.25" L x 60" W x 105.5"
Design Solids Removal	H 95+% @ 200 PPM
Underflow Solids	influent 1 - 2% solids



M.W. WATERMARK – Equipment and Service for Filtration, Process, and Dewatering Needs