



M.W. WATERMARK, L.L.C

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M.W. WATERMARK SPC-300 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-300 Incline Plate Clarifier
Nominal Capacity: 300 GPM

MATERIALS OF CONSTRUCTION

HRS 1/4" Plate
Material surface blasted to near white
Settling Plates - 1/4 Grey PVC Schedule 80 grade one

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	300 GPM
Flash Mix Tank Volume	186 gallons
Flocculation Tank Volume	742 gallons
Total Pre-treatment Volume	928 gallons
Effluent Piping Connection	8" 150# Flange
Solids Discharge Connection	6" 150# Flange
Sludge Capacity	834 gallons
Plate Area	1,167 ft ²
Projected Plate Area	670 ft ²
Empty Shipping Weight	13,200 lbs.
Full Operating Weight	58,300 lbs.
Liquid Volume	5,414 gallons
Retention Time @ Maximum Flow Rate	18 minutes
Gallons / ft ²	0.36
Physical Size	185" L x 100" W x 145" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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