



M.W. WATERMARK, L.L.C

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M.W. WATERMARK SPC-400 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-400 Incline Plate Clarifier
Nominal Capacity: 400 GPM

MATERIALS OF CONSTRUCTION

HRS 1/4" Plate
Material surface blasted to near white
Settling Plates - 1/4 Gray 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	400 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	960 gallons
Plate Area	1,680 ft ²
Projected Plate Area	964 ft ²
Empty Shipping Weight	16,500 lbs.
Full Operating Weight	60,320 lbs.
Liquid Volume	6,000 gallons
Retention Time @ Maximum Flow Rate	15 minutes
Gallons / ft ²	0.42
Physical Size	210" L x 100" W x 143" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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