



M.W. WATERMARK, L.L.C

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M.W. WATERMARK SPC-20 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-20 Incline Plate Clarifier
Nominal Capacity: 20 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	20 GPM
Flash Mix Tank Volume	38 gallons
Flocculation Tank Volume	62 gallons
Total Pre-treatment Volume	100 gallons
Effluent Piping Connection	4" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	88 gallons
Plate Area	87 ft ²
Projected Plate Area	50 ft ²
Empty Shipping Weight	2,065 lbs.
Full Operating Weight	5,310 lbs.
Liquid Volume	389 gallons
Retention Time @ Maximum Flow Rate	19.5 minutes
Gallons / ft ²	0.4
Physical Size	70" L x 60" W x 94" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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