



M.W. WATERMARK, L.L.C

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M.W. WATERMARK SPC-150 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-150 Incline Plate Clarifier
Nominal Capacity: 150 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	150 GPM
Flash Mix Tank Volume	110 gallons
Flocculation Tank Volume	316 gallons
Total Pre-treatment Volume	426 gallons
Effluent Piping Connection	6" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	469 gallons
Plate Area	560 ft ²
Projected Plate Area	321 ft ²
Empty Shipping Weight	7,400 lbs.
Full Operating Weight	22,900 lbs.
Liquid Volume	1,859 gallons
Retention Time @ Maximum Flow Rate	12.5 minutes
Gallons / ft ²	0.47
Physical Size	135" L x 77" W x 147" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids

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