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M.W. WATERMARK SPC-80 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-80 Incline Plate Clarifier
Nominal Capacity: 80 GPM

MATERIALS OF CONSTRUCTION

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

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	80 GPM
Flash Mix Tank Volume	79 gallons
Flocculation Tank Volume	184.9 gallons
Total Pre-treatment Volume	263.9 gallons
Effluent Piping Connection	4" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	275 gallons
Plate Area	345 ft ²
Projected Plate Area	189 ft ²
Empty Shipping Weight	4,700 lbs.
Full Operating Weight	15,480 lbs.
Liquid Volume	1,280 gallons
Retention Time @ Maximum Flow Rate	16 minutes
Gallons / ft ²	0.46
Physical Size	106.5" L x 72.5" W x 131.5"
Design Solids Removal	H 95+% @ 200 PPM
Underflow Solids	influent 1 - 2% solids



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