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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

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	270.2 gallons
Flocculation Tank Volume	873.8 gallons
Total Pre-treatment Volume	1144.0 gallons
Effluent Piping Connection	8" 150# Flange
Solids Discharge Connection	6" 150# Flange
Sludge Capacity	960 gallons
Plate Area	1,633 ft ²
Projected Plate Area	911 ft ²
Empty Shipping Weight	17,000 lbs.
Full Operating Weight	60,320 lbs.
Liquid Volume	5,9000 gallons
Retention Time @ Maximum Flow Rate	15 minutes
Gallons / ft ²	0.42
Physical Size	210" L x 109.5" W x 147.5"
Design Solids Removal	H 95+% @ 200 PPM
Underflow Solids	influent 1 - 2% solids