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M.W. WATERMARK SPC-200 SLANT PLATE CLARIFIER SPECIFICATION

DESCRIPTION

Model: SPC-200 Incline Plate Clarifier
Nominal Capacity: 200 GPM

MATERIALS OF CONSTRUCTION

HRS 1/4" Plate
Material Surface Blasted to Near White
Settling Plates: 1/4" Gray PVC

COATING

Interior – 8 mil DFT
Two Coats Tnemec Series 61

Exterior – 5 mil DFT
Two Coats Polyamide Epoxy
Color: Watermark Blue

DESIGN PARAMETERS

Design Flow Maximum	200 GPM
Flash Mix Tank Volume	105.3 gallons
Flocculation Tank Volume	635.3 gallons
Total Pre-treatment Volume	740.6 gallons
Effluent Piping Connection	8" 150# Flange
Solids Discharge Connection	6" 150# Flange
Sludge Capacity	611 gallons
Plate Area	1,153 ft ²
Projected Plate Area	633 ft ²
Empty Shipping Weight	12,000 lbs.
Full Operating Weight	32,760 lbs.
Liquid Volume	2,609 gallons
Retention Time @ Maximum Flow Rate	13 minutes
GPM / ft ²	0.30
Physical Size	138" L x 109.5" W x 144.5"
Design Solids Removal	H 95+% @ 200 PPM
Underflow Solids	influent 1 - 2% solids



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