



mwwatermark.com

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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

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	35.7 gallons
Flocculation Tank Volume	55.4 gallons
Total Pre-treatment Volume	91.1 gallons
Effluent Piping Connection	4" 150# Flange
Solids Discharge Connection	4" 150# Flange
Sludge Capacity	88 gallons
Plate Area	91 ft ²
Projected Plate Area	49 ft ²
Empty Shipping Weight	2,300 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	72.5" L x 60" W x 98.75" H
Design Solids Removal	95+% @ 200 PPM influent
Underflow Solids	1 - 2% solids



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