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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

### **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              | 101.4 gallons              |
| Flocculation Tank Volume           | 329.8 gallons              |
| Total Pre-treatment Volume         | 431.2 gallons              |
| Effluent Piping Connection         | 6" 150# Flange             |
| Solids Discharge Connection        | 4" 150# Flange             |
| Sludge Capacity                    | 469 gallons                |
| Plate Area                         | 728 ft <sup>2</sup>        |
| Projected Plate Area               | 400 ft <sup>2</sup>        |
| Empty Shipping Weight              | 7,500 lbs.                 |
| Full Operating Weight              | 22,900 lbs.                |
| Liquid Volume                      | 1,859 gallons              |
| Retention Time @ Maximum Flow Rate | 12.5 minutes               |
| Gallons / ft <sup>2</sup>          | 0.47                       |
| Physical Size                      | 136" L x 76.5" W x 143.25" |
| Design Solids Removal              | H 95+% @ 200 PPM           |
| Underflow Solids                   | influent 1 - 2% solids     |

**M.W. WATERMARK** – Equipment and Service for Filtration, Process, and Dewatering Needs