Pan America Environmental, Inc.

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technical@panamenv.com

ENGINEERING SPECIFICATION

SPP Series Slant Plate Pack

Engineering Specification

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PRODUCT PAGE

https://www.panamenv.com/settling-media/spp/

SECTION 1.0 EQUIPMENT

1.01 Slant Plate Pack Design

Sizing criteria:

Flow Rate:	500 GPM
Application:	Metals hydroxide precipitation
Tank type:	Concrete inground (by others)
Hydraulic loading:	0.25 GPM/Ft2
Calculated area:	2,000 Ft2, projected

The SPP pack is to consist of:

Plate MOC:	PVC or corrugated FRP plates
Pack plate angle to be:	55°
Plate spacing is to be:	1”
Lifting lugs:	2
Pack Ft2:	278 Ft2 effective settling area
Spacers:	PVC
Dimensions:	60”L X 43”W X 38”H
Ft3:	57 Ft3
Pack quantity:	8

1.02 Plate Pack Design

The plate pack(s) provided in this quotation will be designed to be used in a concrete tank designed for settling.

For use with:

- Inclined plate clarifiers
- Slant Plate Clarifiers
- Lamella Plate Clarifiers
- Solids clarifiers

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1.03 Shipping Preparation

The SPP pack(s) shall be shipped packed on forkliftable pallet.

SECTION 2.0 MATERIALS OF CONSTRUCTION

2.01 Plate Construction

Settling plate material of construction shall be stress relieved PVC.

2.02 Structural

The plates shall be bound together with the use of 304 stainless steel rods, nuts and PVC spacers. The spacers shall be constructed of schedule 80 PVC.

2.03 Manufacturer

The manufacturer of preference shall be: Pan America Environmental

6007 S. Railroad Street Burlington, WI 53105 USA

2.04 Warranty

Pan America Environmental warrants its products to be free of defect in materials and workmanship for a period of one year from the date of shipment.

Specifying an SPP Series Slant Plate Pack for your project?

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