

***DEFENDER™***  
**Radial Tank Covers**

CLARIFIER COVER WITH BRIDGE



CENTER COLUMN RADIAL COVER

**ECONOMICAL ALTERNATIVE TO ALUMINUM DOMES**

*DEFENDER™* Radial Tank Covers offer a cost effective alternative to aluminum or fiberglass roofs. Our innovative cable supported covers are constructed from durable stainless steel components with an integrated reinforced geomembrane cover to provide years of reliable service. The attractive low profile design reduces internal volume and the unique mechanical attachment system provides a positive seal against new and existing tank surfaces. The result is a high quality tank cover that provides years of trouble free service while costing much less than alternative designs.

**ODOR CONTAINMENT**

- Prevent Evaporation and Escaping Fumes
- Low Profile Design Minimizes Internal Volume
- Mechanical Perimeter Seal Contains Emissions

**THERMAL RETENTION**

- Isolate Thermal Air Masses
- Maintain Optimal Treatment Temperature
- Prevent freezing

**ALGAE CONTROL**

- Eliminate UV Light Penetration to Prohibit Algae Growth
- Reduce Equipment Maintenance
- Improve Filter Performance



# **DEFENDER™**

## **Radial Tank Covers**



CENTER COLUMN WITH RADIAL HUB



ODOR CONTROL DUCTWORK



MANWAY ACCESS HATCH



CLARIFIER COVER

### **CUSTOM BUILT FOR YOUR TANK**

Every *DEFENDER™* Radial Tank Cover is custom designed and built to fit your specific tank profile. With nearly 40 years of fabrication experience with geomembrane materials and stainless steel components, Environetics has developed a variety of exclusive details and accessories to ensure that our *DEFENDER™* Radial Tank Cover will meet your project requirements. Consult our Design Department for material specifications, design details, and expert advice regarding your tank cover project.

### **RADIAL TANK COVER DESIGN FEATURES**

#### **ENGINEERING**

- Designed to Meet IBC Load Requirements
- Matched Component Hardware Maintains Structural Integrity
- Engineering Report and Stamped Drawings Available

#### **STRUCTURAL COMPONENTS**

- Heavy Duty Stainless Steel Center Column
- CNC Machined Stainless Steel Center Hub
- Stainless Steel Aircraft Cable Array

#### **COVER COMPONENTS**

- Field Proven Reinforced Geomembrane Cover Fabric
- Outstanding UV and Chemical Resistance
- Exclusive Gore Tensioning Device for a Secure Fit
- Stainless Steel Perimeter Batten System

#### **ACCESSORIES**

- Equipment Access Doors
- Clarifier Bridge Designs Available
- Manway Access Hatches
- Grated Walkway Liners
- Odor Control Ductwork Connections
- Valve Access and Sampling Ports

### **TURNKEY INSTALLATION**

*DEFENDER™* Radial Tank Covers install quickly and easily. The modular design reduces shipping costs and accelerates installation time in the field. Upon delivery, the center column assembly is erected to form a continuous structure. Radial stainless steel aircraft cables are connected to the center hub and anchored to the tank wall in an array similar to spokes in a wheel. After the cables are carefully tensioned, the reinforced geomembrane cover fabric is installed over the structural components and securely anchored to the perimeter of the tank. Environetics offers full turnkey installation of our *DEFENDER™* Radial Tank Covers.

