

ALLENTECH DIVISION

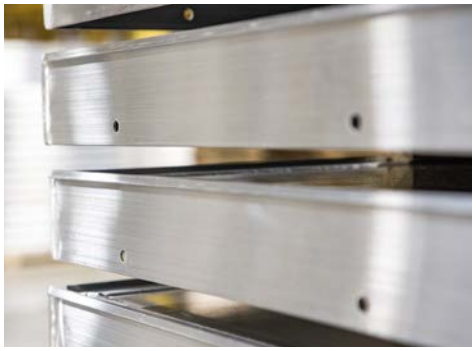
Aluminum Internal Floating Roofs

Perimeter Seal Systems

Oil / Water Separator Covers For API Separator Basins







SUPERIOR SYSTEMS — UNSURPASSED SERVICE

ALLENTECH's success is built upon our solid reputation for providing innovative, reliable and long-lasting products backed with service second to none. Our comprehensive product line provides owners with a single source for Skin and Pontoon Type Internal Floating Roofs, HC Full Contact Type Internal Floating Roofs, Internal Floating Roof Seals and Floating Oil Water Separator Covers for API Separators.

Confidence in our products, service and response has enabled us to build long-term partnering relationships with our customers who know that they can count on **ALLENTECH** to meet their requirements from design through installation. You can count on **ALLENTECH** to offer the support you desire and need.

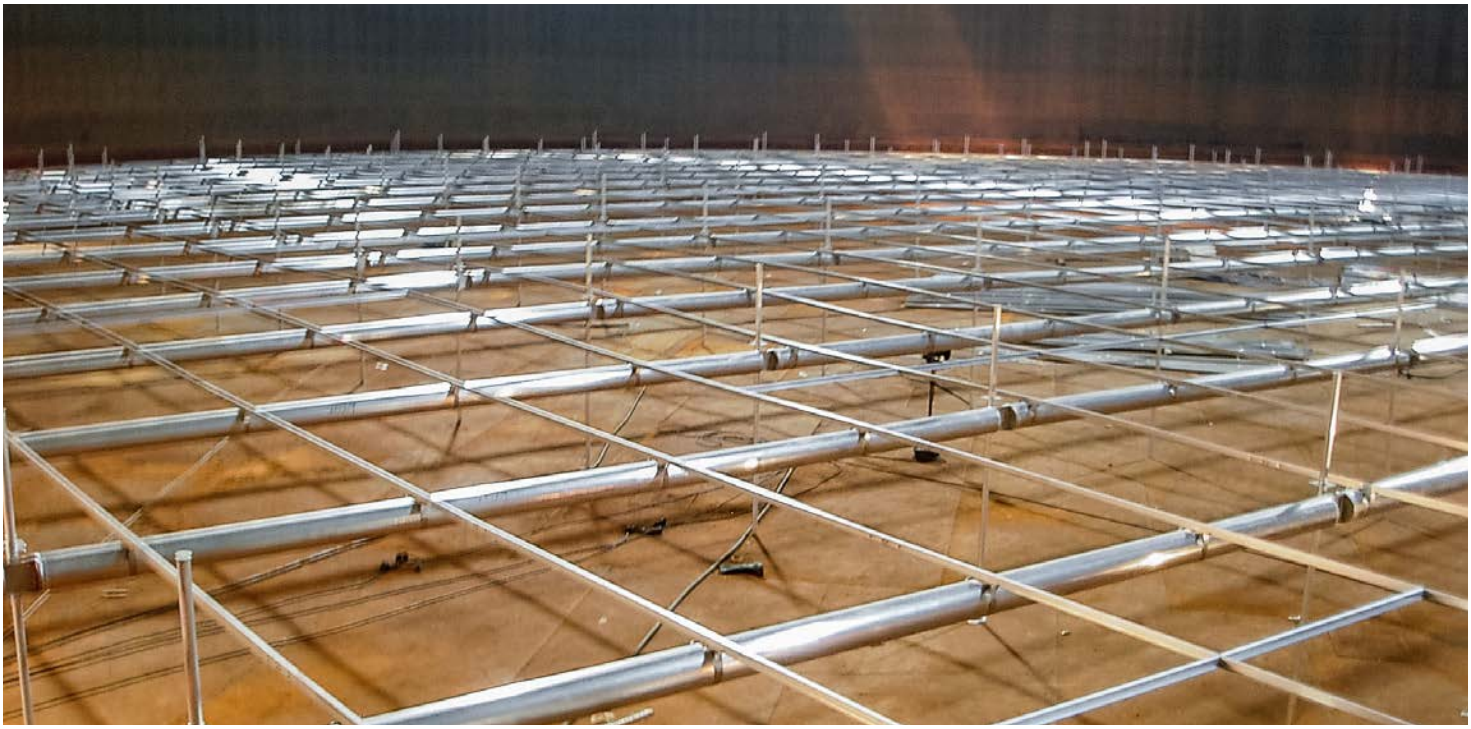
Our innovative culture, coupled with a highly motivated and experienced staff, modern production facilities, large inventory and resources of a proven company help us to resolve unusual problems and conditions in an expeditious manner.

Our commitment is to provide the highest quality products and service to our customers, and to aid our customers in protecting the environment by minimizing the escape of hazardous air pollutants.

We offer a complete line of proprietary products that includes:

- Aluminum Skin and Pontoon Internal Floating Roofs
- Hybrid Aluminum/Stainless Steel Skin and Pontoon Internal Floating Roofs
- Stainless Steel Skin and Pontoon Internal Floating Roofs
- HC Full Contact Aluminum Internal Floating Roofs
- Perimeter Seals for Internal Floating Roofs
- Oil/Water Separator Covers

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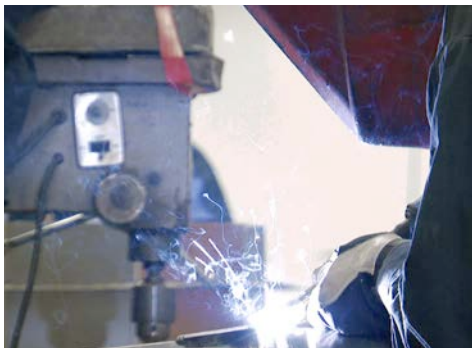


PONTOON TYPE INTERNAL FLOATING ROOFS

Custom designed and completely pre-fabricated for each application, our Pontoon Type Internal Floating Roof (IFR) is the model for cost-effective, efficient and long-lasting Internal Floating Roofs. Pontoons are arranged on a tightly spaced grid to provide excellent distribution of buoyancy. The vapor integrity of the IFR is ensured by our unique sheet clamping system. The strong, extruded and rolled perimeter section allows us to install primary shoe seals and secondary seals without the need for additional stiffening. Available in all aluminum, all stainless steel or hybrid aluminum/stainless steel as required.

Pontoons are manufactured to the highest quality standards using only certified welders and ASME qualified weld procedures. Our end caps are stronger than the pontoons themselves, eliminating fears of end cap failures, proven through 30 years of service. Attention to details, such as factory fabricated column seals, sets us apart.





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ALUMINUM HC FULL CONTACT TYPE INTERNAL FLOATING ROOFS

Our patented, welded module Aluminum HC Full Contact IFR is designed for owners who prefer the benefits of the full contact aluminum floating roof concept. ALLENTECH's welded module design eliminates costly failures and product compatibility concerns associated with an exposed adhesive design. Factory-installed test ports allow future field-testing of each module so that the tank can be certified gas free without concern that dangerous vapors or product may be trapped inside the module.

ALLENTECH Aluminum HC Full Contact IFRs have been designed around strength and safety, eliminating concerns of leaking modules and product entrapment associated with other designs.

- No exposed failure prone adhesives
- Module skins are more than 2-1/2 times the API required minimum thickness to reduce corrosion effects and increase strength
- Each module is tested and certified leak free prior to shipment
- ALLENTECH's standard Aluminum HC Full Contact IFRs have enough strength and buoyancy to be fitted with single or double shoe seals
- Our standard HC IFR can support 750 pounds on the outer edge while floating with buoyancy to spare

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CABLE SUSPENSION SYSTEMS

ALLENTECH has developed a cable suspension system that replaces legs on aluminum floating roofs. Our cable suspension system can be installed on new aluminum pontoon type and HC Full Contact IFRs. It can also be retrofit on most existing aluminum IFR, regardless of manufacturer. There are no tank size limitations for our system and it can be used on both new and existing tanks. These systems have become the standard for many of our customers due to the long list of benefits that they offer.



- **Safety:** Eliminate in-service entries since IFR setting is changed from the fixed roof anytime the IFR is floating
- **Emission Loss Reduction:** Without leg penetrations, emission losses are lowered by over 30%
- **Changing IFR Settings:** Save money, time and logistical problems. The IFR setting can be changed by one person from the fixed roof. There is no need to hire an expensive specially trained in-service work crew.
- **Changing IFR Settings:** IFR setting can be changed anytime the IFR is floating above high pin position.
- **Maintenance:** Bottom cleaning, inspection, repairs, and coating can be completed faster
- **Flexibility:** IFR settings can be placed where you want them, including a “high high” position at the maximum fill level. Settings are not limited by the length of a leg.

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INTERNAL FLOATING ROOF PERIMETER SEALS

Our patented primary and secondary stainless steel shoe seals will provide years of trouble free service and superior sealing characteristics. Materials are selected for their corrosion resistance and product compatibility to provide a minimum design life of twenty years.





Other Seal Configurations:

- Single wipers
- Double wipers
- Primary shoe seal with secondary wiper

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ALUMINUM HC FLOATING OIL WATER SEPARATOR COVERS

ALLENTECH's Aluminum HC Full Contact Floating Oil Water Separator Covers minimize emissions and odor control problems. Our design incorporates all of the safety features and long-term value of our Aluminum HC Full Contact Internal Floating Roof.

THE PREFERRED CHOICE — Engineers, owners and operators throughout the world have come to recognize and rely on ALLENTECH's expertise, quality and service.

- Roof coating available prior to installation using a two-part epoxy coating selected for specific site conditions.
- Skimmer troughs and other custom-designed features are available.

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