



Containment Tents



Containment tents create controlled environments that prevent radioactive and other hazardous contamination from spreading outside of the tent, or protect workers while they are inside the tent from exposure to hazards or environmental factors present outside the tent. With reduced overall exposure levels and minimized cleanup operations you decrease exposure to your employees, and save money.

Lancs Industries has been providing work tents to our customers for over 40 years. We are the largest supplier of high quality tents for re-mediation work in the United States. Our production facilities allow us to custom manufacture multiple configurations of work tents—from simple single chamber tents with limited access, to complex projects requiring expandable, collapsible, multi-tier, multi-chamber tents covering hundreds of square feet.



We collaborate with you to develop a tent design that addresses all the requirements of your project. We can work directly from your design or we can suggest best practices to incorporate needed features. In addition to our custom tent designs we also offer 4 standard layouts with popular dimensions and common features. These standard tent designs may address many of your project requirements with little or no modification.



Loose radioactive material can be found throughout your site in plant systems, ventilation ducts, fuel pools, rooms, and outside radiological work facilities. While workers will still be required to wear protective clothing to keep contamination off their skin, the potential of transferring that contamination to clean areas is greatly reduced when using a tent. Typical configurations of containment tents include:

- Work areas on a decontamination work site
- Decontamination tents during refueling outages
- Steam generator work tents
- Bullpen containments (without a roof)
- Large scale FME covers with irregular shapes
- Around valve transfer pits in Tank Farms
- Sloped roof, peaked roof, flat roof
- Wall panels, curtains, liners



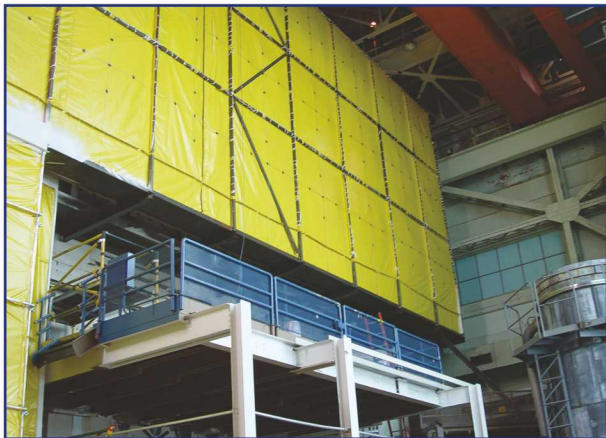
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Materials used by Lancs in fabricating tents can be fire retardant or incinerable depending on your needs. The wall, floor, and ceiling panels are sealed together using radio frequency heat sealing technology. Work chamber panels are double sealed to ensure integrity and maximize tensile strength. All window panels and service sleeves are heat sealed with a minimum 1/2" seam. Door zippers are double stitched to prevent rip-out and Velcro flaps are included as covers for added security. Inlet filters made from reticulated foam filter media in mesh screen pouches can be included to support negative ventilation. Tie-off points made from heavy duty injection molded PVC are attached to the tent exterior along external frame lines to provide adequate support of the tent chamber.



The frame used to support a work tent is an integral part of the tent design. Spacing and location of frame pieces must be planned in a way to ensure a solid tent structure while avoiding interference with tent access or service features. Lancs uses 1 inch nominal Schedule 40 galvanized steel pipe to fabricate tent frame pieces. Frame members are joined with fittings made of ASTM A47 Grade 32510 heavy duty cast iron. Pipe and fittings can accommodate any necessary shape or angle and are available in aluminum.



When combined with the proper HEPA ventilation unit, the use of a containment tent will greatly reduce the potential for cross-contamination into clean areas at your site. Lancs Industries has partnered with Radiation Protection Systems (RPS), to supply our customers with ventilation units. This line of HEPA ventilation units ranges in size from portable (125 CFM) to permanent (10,000 CFM). Our team understands the importance of airflow rates in capturing airborne particles in the air stream and forcing them to enter the ventilation ducting. Ventilation units are sized to ensure 7-12 air changes per hour with filters and ducting located to force air to travel through the area where airborne contamination is being created.

With nearly 40 years of experience in designing and fabricating containment tents, let us produce the most effective and cost efficient solution for your needs.

To discuss containment tents contact your Lancs sales representative at 505.738.7200.