



S-RD-24-SS



Laminaire™ Radial Air Diffuser by Patriot Range Technologies LLC
The latest design in the Radial diffuser system provides for a 45-degree angular mixing box. This revolutionary design provides the best “on-range” airflow performance in the industry and is the basis of the newest military airflow performance criteria under the MIL/HDBK 1027-3B-15C.





Laminaire™ Radial diffuser



Half round diffuser sections are plated in bright anodizing with clear satin finish

**Laminaire* Radial diffuser air plenum sections are assembled perforated aluminum components.

*Standard diffuser sections are 48" in width. Sections are modified where required

*Diffuser achieves the designed airflow based upon the performance standards, as established by NIOSH.

The performance intent for firing range ventilation systems will meet all the requirements outlined as recommendations and design considerations in HEW publication no. (NIOSH) 76-130 dated December 1975 entitled "*Lead Exposure Design Considerations for Indoor Firing Ranges*". This design standard prefers an air flow velocity of 75 feet per minute average on the empty range. This design has consistently provided compliance within the established federal standards for airborne inorganic lead concentration limits. When properly installed, lead concentrations are consistently maintained below the action level of 30 micrograms per cubic meter in an area where the limit shall not exceed 50 micrograms of lead per cubic meter of air over a time weighted average of eight hours as measured at the respiration zone of the shooters and the range officer when firing from the firing booths per OSHA 29 CFR. 1910.1025 and 1926.62.

All *Laminaire* ventilation systems meet United States Navy, or United States Air Force compliance under the military handbook MIL-HDBK, *Firing Range Ventilation Systems Performance SEC 1027/3B* revision # 1, dated July, 1995 and the latest UFC 4-160-01.