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Krueger Radial Flow Diffusers



Krueger
TAD

Krueger
RadiaFlo

Radial Flow Diffuser Description

Krueger's radial air pattern diffusers are designed for spaces requiring the supply of large air quantities without compromising the operation of fume exhaust hoods and other equipment. These diffusers provide tightly controlled supply air patterns that displace room air and prevent room particulate and aerosol contaminants to recirculate within the space. They are available in mill or painted finishes in aluminum or stainless steel construction and are available with optional HEPA filters.

Krueger TAD and RadiaFlo Capabilities

1. Supply large air volume at low velocity and short throw with minimal room air entrainment.
2. Uniform radial discharge air pattern at very low sound level provides occupant comfort without sacrificing occupant safety.
3. Minimize room temperature gradients and air currents.
4. Provide rapid, one pass removal of room particulate and aerosol contaminants.
5. Prevent disturbances at fume hood inlets that are common with conventional high aspirating ceiling diffusers and laminar flow diffusers.
6. Reduce the quantity of diffusers and ductwork cost required for large air quantities typical of many laboratory, hospital and clean room applications.
7. Unique engineering and construction of the Krueger radial flow diffusers minimize performance losses and increased noise caused by poor inlet duct configurations.
8. Assist in conformance with industry standards, e. g., ISO 14644, Airborne Particulate.
9. Cleanliness in Cleanrooms, USP Chapter 797, Guidebook of Pharmaceutical Compounding.

Typical Applications for Krueger TAD and RadiaFlo Diffusers

1. Chemical and biologic laboratories
2. Patient isolation rooms
3. Laboratory animal facilities
4. Semiconductor manufacturing and assembly
5. Pharmaceutical and food processing and packaging

TAD, RadiaFlo and all Krueger products are supported by their newly constructed Dallas, TX test laboratory and locally supported by Samuel Tepp's highly experienced engineers.

**For detailed application information contact Keith Miller, Samuel Tepp Associates, LLC
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