



### ***No-Fee Design & Engineering***

- Concept Drawings
- RCP Recommendations
- Diffuser Sizing & Selection
- Customized Sizes as Required
- Support Throughout Project

### ***Design Verification***

- ASHRAE 170 Compliance

### ***Layout & Design Integration***

- Collaborative Design Effort
- Coordinate Design Disciplines

### ***Guide Specifications***

- Tailored to Meet Project Needs

### **the PROBLEM**

Designing compliant ventilation systems for an operating room gets complicated when considering the location of med-gas columns, boom escutcheons, equipment transport rails, lights, and other ceiling mounted apparatus. Limited interstitial space adds to that challenge. It can be time consuming if one doesn't work with these types of systems every day.

### **focusing on PATIENT OUTCOMES**

Precision Air Products, founded in 1974, has the experience, the technology, and the reputation for providing laminar diffusers and operating room ventilation systems that perform. Our products and systems, acclaimed as best-in-class by major hospitals, architects, and engineering firms across the country, are installed in thousands of applications worldwide, many of them customized to meet unique demands of the most complex applications - those in operating rooms.

### **precision RESULTS**

We believe it's important to understand our clients and actively assist them with their project specific objectives as they relate to our products and systems. Therefore, we make our team of application specialists available on a no-fee basis throughout the design phase of each project to assist with the "heavy lifting". Driven to improve patient outcomes, our goal is to provide you with effective diffusers and compliant integrated ceiling systems that are economical yet look as good in person as they do on the drawings... like they were meant to be there.



***Contact Precision Air Products for professional design support...***

With all the other things to worry about when considering ways of reducing surgical site infections, delivering clean and ultraclean air shouldn't be one of them. Before designing your next OR ventilation system, contact Precision Air Products for professional design support.

## LAMINAR AIRFLOW DIFFUSERS

Our trademark is unidirectional, non-aspirating, dual-chamber diffusers with unprecedented laminar airflow performance. Whether Lami-Vent™ or HEPA-Vent, you get the flexibility of standard or custom sizes for almost any critical environment application... economically. Color and finish-matched diffusers, framing, and fill-in panels are available in aluminum with either a white baked enamel or clear anodized finish. Custom colors are available. Stainless steel and material combinations are also available.

## CUSTOM CEILING SYSTEMS

Booms, med-gas columns, equipment rails, and other ceiling mounted apparatus make OR ceilings complicated, why does the ventilation system have to be? Our engineering team can help you apply an economical custom ceiling that works within given space limitations while meeting the ASHRAE 170 coverage directive. Ask about our Lami-Air™ EQ Integrated Ceiling Systems for Interventional Radiology, Cath Labs, and Hybrid surgical spaces.



## LIMITED INTERSTITIAL APPLICATIONS

If you're faced with limited interstitial space, Precision Air Products' engineering team will work with you to design an effective solution. We offer low-profile Lami-Vent™ or HEPA-Vent laminar airflow diffusers as well as the Lami-Air™ IP Integrated Plenum System to meet the needs of each unique application.

## Consultative Engineering Assistance

Each operating room presents its own unique design challenges with ventilation system components often in conflict with ceiling mounted equipment such as med-gas columns, boom escutcheons, equipment transport rails, lights, and other obstructions. Limited space above the ceiling adds to that challenge. Sometimes it's nice to have someone to help connect the dots.

Our application engineers are experts in the areas of laminar airflow and proper operating room ventilation system design. Whether by phone, e-mail, net meeting, face-to-face, or site visit, our engineers can help you navigate the complexities of surgical suite ventilation design, from concept through final plans and installation:

### Design verification

We regularly assist in verifying design against current ASHRAE standards, industry guidelines, best practice, and project-specific goals, making vital recommendations in a collaborative and iterative effort with your design team.

### Layout & design integration

Our engineers draw from years of experience and thousands of system designs to recommend compliant, economical layouts no matter how complicated the surgical ceilings. We often are called on to assist in coordinating design disciplines to assure a functional, integrated ceiling ventilation system.

### Guide specifications

We offer a comprehensive set of guide specifications for virtually any surgical suite ventilation requirement. Guide specifications are available on our web site, or can be obtained directly through your local Precision Air Products representative. They can be easily tailored to meet your project-specific goals.

## No-Fee Engineering Support

- Concept drawings
- Reflected ceiling plan recommendations
- Schematics
- Mechanical calculations
- Component sizing
- Regulatory compliance review
- Guide specifications
- Custom applications
- Project management



## Precision Air Products Co.

544 16th Avenue South  
Hopkins, MN 55343  
800.404.0931 ph  
952.854.4543 fax  
[www.precisionairproducts.com](http://www.precisionairproducts.com)

clean & ultraclean air DELIVERED RIGHT