

# HGPL

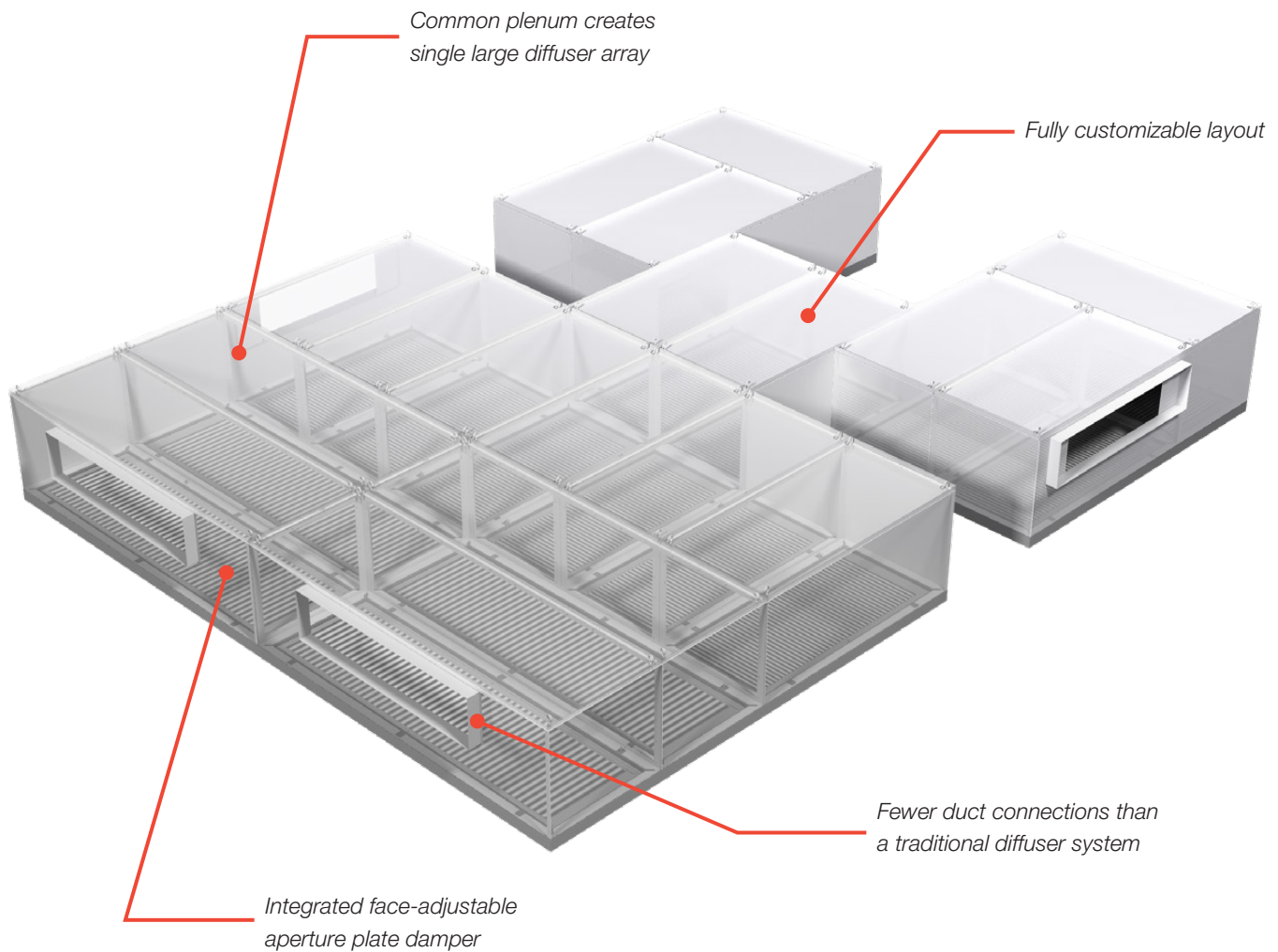
HOSPITAL GRADE LAMINAR FLOW COMMON PLENUM



# HGPL

## Hospital Grade Laminar Flow Common Plenum

The Hospital Grade Laminar Flow Common Plenum (HGPL) is an integrated plenum system that uses multiple laminar flow diffusers connected by a common plenum to act as a single large diffuser array. The single large diffuser design results in a system with significantly fewer duct connections and equalized airflow across the laminar diffuser face. This system takes the place of individually ducted laminar flow diffusers installed in an engineered ceiling grid.



### SIMPLIFIED INSTALLATION AND DUCTWORK

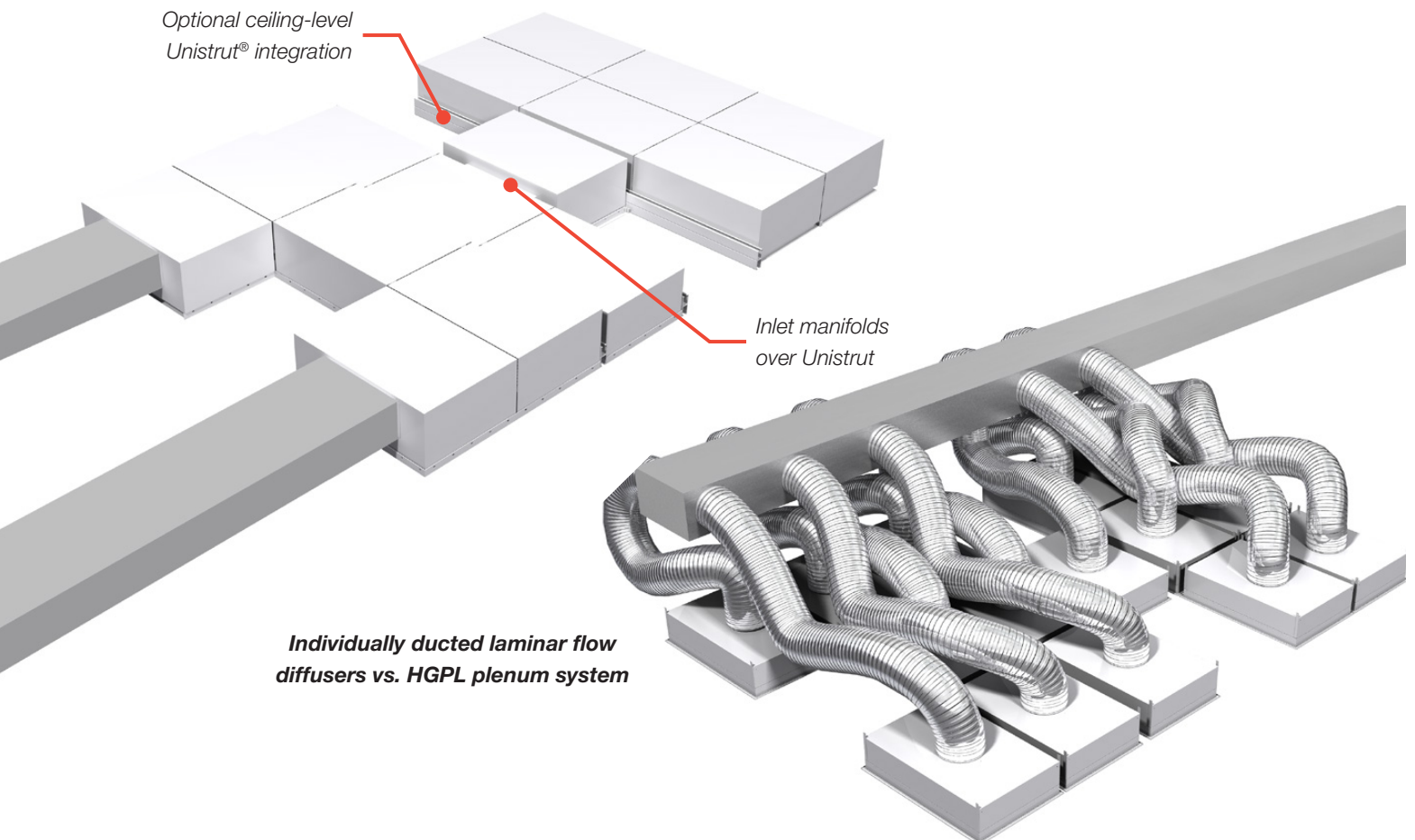
- + The common plenum design requires fewer duct connections, resulting in considerable installation savings.
- + Eight individually ducted units can typically be serviced by one inlet with a common plenum system.
- + Systems are supplied in factory assembled modules up to 48 in. x 120 in. for simplified field assembly.

### IDEAL FOR INSTALLATIONS WITH LIMITED SPACE

- + Fewer duct connections reduce the amount and complexity of ductwork in crowded ceiling spaces.
- + The low profile plenum (12 in. depth) minimizes obstructions and maximizes ceiling space for additional equipment.

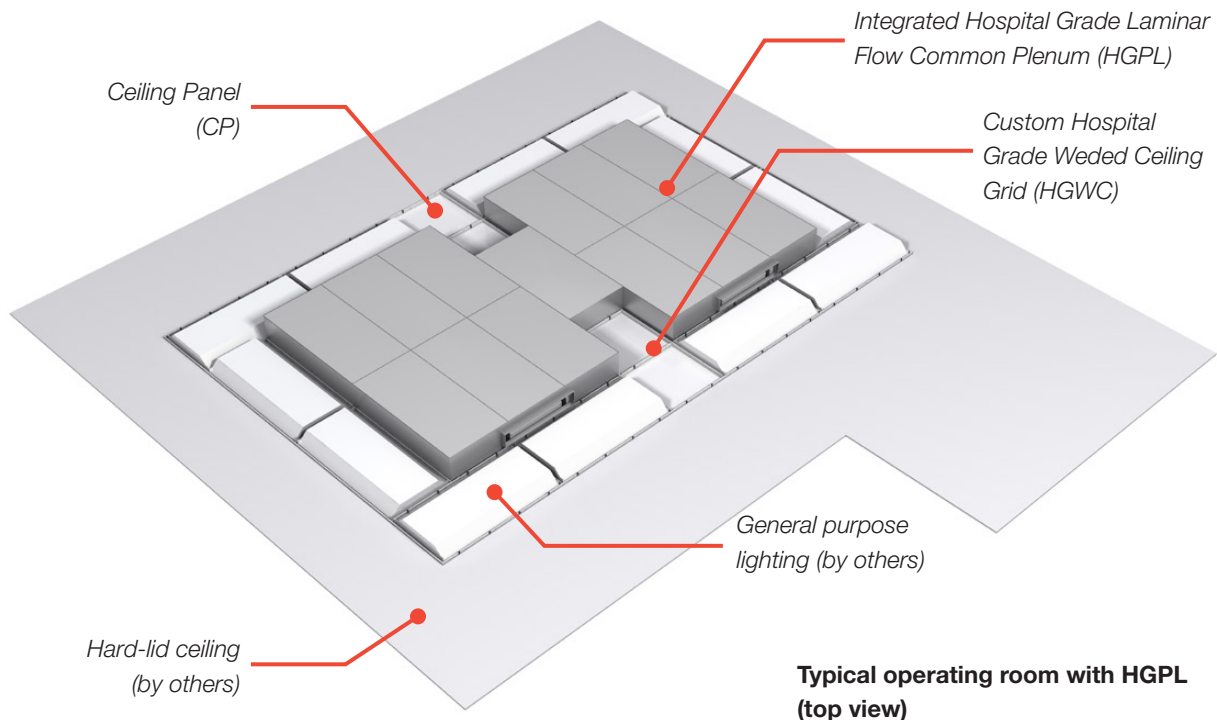
### TYPICAL APPLICATIONS

The HGPL is designed for use in areas that demand strict clean air control and uniform, laminar airflow, including hospital operating rooms and cleanrooms. Modular construction and low plenum height make the HGPL ideal for applications with high capacity air distribution requirements with cost and space constraints.



### FULLY CUSTOMIZABLE

- + The integrated plenum system is fully customizable to accommodate various diffuser and equipment layouts.
- + Surrounding HGWC welded ceiling systems facilitate the installation of lights, equipment booms and ceiling access panels.
- + Modular sections and common module sizes provide long-term mechanical flexibility.



### SINGLE LARGE DIFFUSER ARRAY

- + Fully integrated ceiling grid, diffusers and plenum maximize the active diffuser face area.
- + Single large diffuser design is self-balancing and promotes equalized airflow across the entire diffuser face. Sliding dampers within each diffuser module enable fine tuning.
- + All diffuser modules sit flush with the ceiling grid. This assembly is easy to clean and provides an aesthetically pleasing, flush appearance.

### ROOM-SIDE REMOVABLE HEPA FILTERS

- + The HGPL is available with an optional room-side replaceable filter that can be replaced without disturbing the ceiling or ductwork.
- + A gel seal filter frame and knife-edge flange provide a seal to prevent filter bypass.
- + The HGPL is compatible with HEPA and ULPA filters.



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