



SOFTWALL CLEANROOMS





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Modular Softwall Cleanrooms provide an economical and versatile solution to clean manufacturing requirements in semiconductor, medical device and various industries. Unlike other softwall modular cleanrooms on the market which requires complex suspended ceiling supports, Sapphire Modular Softwall Cleanrooms are completely free-standing structures.

Our Modular Cleanrooms are fabricated from heavy duty 2-1/2" square steel tubing for superior strength and powder coated for durability or you may choose a 304 stainless steel frame. Your softwall cleanrooms are pre-fabricated at the factory for quick installation, which usually takes 3-5 days, depending on the cleanroom dimensions. Easily install the room yourself with complete instructions, or have our crew do it for you. Sapphire Modular Softwall Cleanrooms have been designed to be portable, expandable, and easily assembled/disassembled. Installation instructions are provided. Installation teams are available upon request.

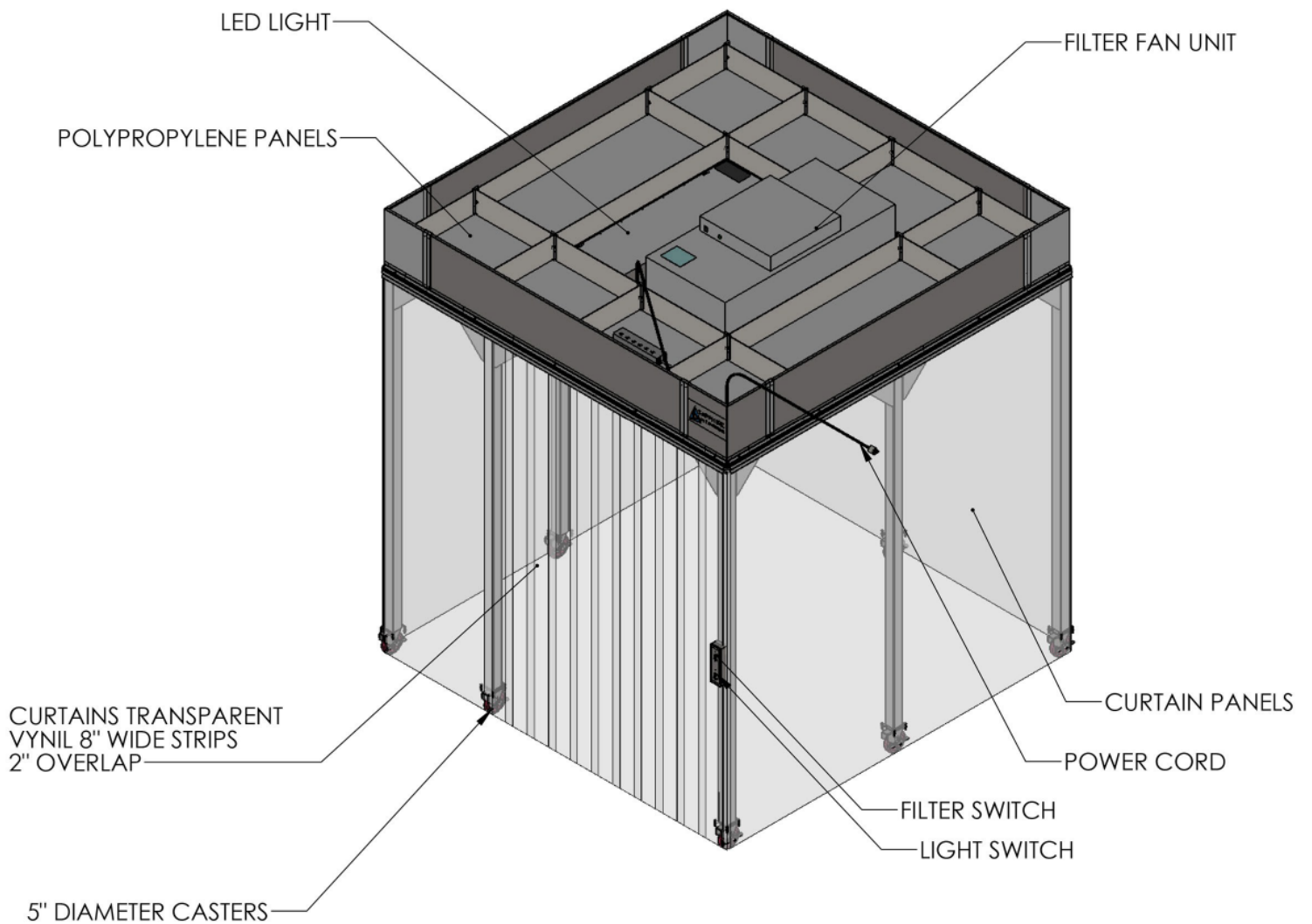
Our fabrication time can be expedited to meet your project schedule if needed. Your time is valuable and we're here to make the project run smoothly, completed on time and in budget.

Components include Panels, Strip Shields, Strip Doors, and Filter/Fan Modules.



CAUTION: Casters are intended to allow movement only on smooth floors and require that personnel support each cleanroom upright during motion.

Stainless steel swivel casters feature non-shedding polyurethane wheels. Estimated Capacity: 400 lbs. each. Order one per vertical post. Price includes installation. Casters raise the frame 7.125". If casters are ordered, the frame will be made shorter to keep the floor to filter face dimension to specification.



Standard:

Fan Filter Units (FFUs)

Extra Low Watts of Sound and Profile

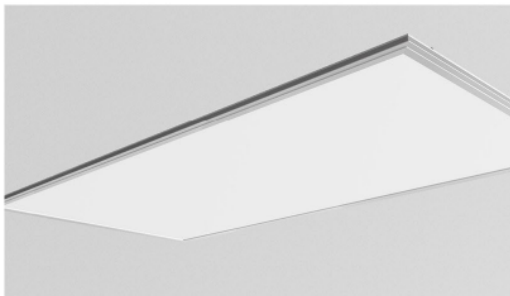
Was the first standard (FFU) that combine low sound, low watts and a low profile. Measuring only 51 DBA (2 ft x 4 ft [600 mm x 1,210 mm]) provides one of the lowest sound levels of any FFU in the industry. Running at only 310 watts @ 90 fpm, the unit uses less energy than traditional FFUs, lowering operating costs. It maintains a low profile, measuring less than 13" (330 mm).

Optional RSR unit has the filter sealed to the unit using the knife edge/gel seal construction, allowing the filter to be replaced from the roomside.



LED Lighting

Complete sealed housings flush with grid lens frames, gasketed lenses and uniform lighting making this CGE Series ideally suited, where contamination free environment must be achieved at a lower cost. No Reflector, 120-277V Universal. **LED & explosion-proof lighting available**



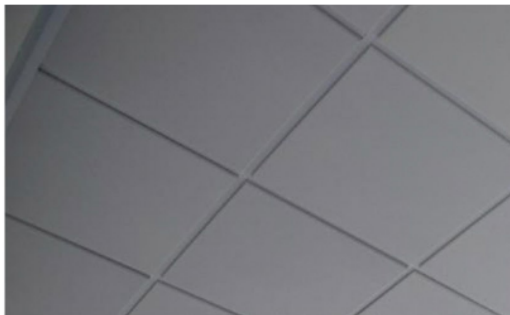
Features

- Sealed, painted white, 20 gauge housing seals to grid 2' X 4' nominal Housing size. Same housing fits 1" and 1-1/2" ceiling lens frame is flush with T-Grid and seals to Housing Lens is gasketed to extruded lens frame suitable for Class 1,000 - Class 100,000 Cleanrooms.
- Low brightness lens installed smooth side to room. No tools required to open lens frame for relamping.
- Manufactured in accordance with NSF, FDA, USDA and Federal Standard 2090.

Ceiling Panels

Ceiling grids with no FFU or Light are covered with white polypropylene panels which can be removed if needed.

Other Material Options Available.





Softwall Panels

Panels and strips are available in three materials:

Cleanroom-Grade Vinyl is fire retardant and low outgassing.

Static-Dissipative Vinyl is manufactured with permanent built-in static inhibitors that, unlike topical treatments, will not wear off.

Non-outgassing Panels are made from inherently static-dissipative polyurethane that provides permanent, humidity-independent ESD protection for sensitive manufacturing conditions. Polyurethane contains no plasticizer, making it virtually non-outgassing.

Optional:



Power Distribution Box (PDB) dramatically simplifies the connection of Fan Filter Modules (FFUs) and ceiling lights while providing low-voltage power for one or more control panels.

Up to 5 FFUs/lights can be connected to each PDB.



Control panel integrates control of system components in a single panel mounted at the main entry. Standard model includes ON/OFF switch & magnehelic gauge.

Digihelic Gauge, Air Care Monitoring System available.





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