

An isometric line drawing of a room, rendered in white lines on a solid orange background. The drawing shows a perspective view of a rectangular room. On the left, there is a door with a vertical rectangular window and a handle. The ceiling is composed of several square panels, each with a small circular fan or light fixture. The walls and floor are also indicated by simple lines, creating a three-dimensional effect.

HAL

EXTRACTION

Your extraction system is at the heart of the plant oil manufacturing process critical to your business.

Getting your extraction room or facility up and running through the design, licensing, and approval processes can take many months. The HAL Extraction Booth System was designed and engineered from the ground up to meet code and regulatory requirements for the plant oil extraction industry. Our Extraction Booths help speed up the regulatory approval process and production startup.

The safety of your workers and facilities are top priorities, and the HAL Extraction Booth System is the perfect solution to protect, people, facilities, and the bottom line.

BOOTH FEATURES

Each booth is assembled on-site at your facility with 18-gauge, powder coated steel panels. The panels and components fit through a standard interior door so the booth can be assembled in many locations. Also, when your business needs change, the booth can be dis-assembled and moved to a different location. Most models can be increased in length with the addition of additional steel panels.

The booth structure is designed as fire-rated. In addition, the interior of the booth provides a rated environment that meets Class 1, Division 1, Group D explosion-proof requirements for a work space that controls ignition sources and meets stringent safety standards.

Explosion Relief Panel

When flammable liquids ignite, pressures inside a work space can increase dramatically. Each HAL Extraction Booth System is equipped with an explosion pressure-relief panel that opens to relieve dangerous over-pressures in an emergency. (Not shown)

Ventilation

Exhaust ventilation uses a variable speed fan to provide a base air flow rate that provides a safe environment. When air concentrations of flammable or hazardous gases reach preset detectable levels, the explosion-proof exhaust fan shifts to high speed to quickly return the work space to safer concentration levels. Fans and fan motors meet applicable explosion-proof requirements.

Door

The door and its hardware are UL listed and are fire-rated. The door is equipped with a panic bar for emergency exit.

Control Panel

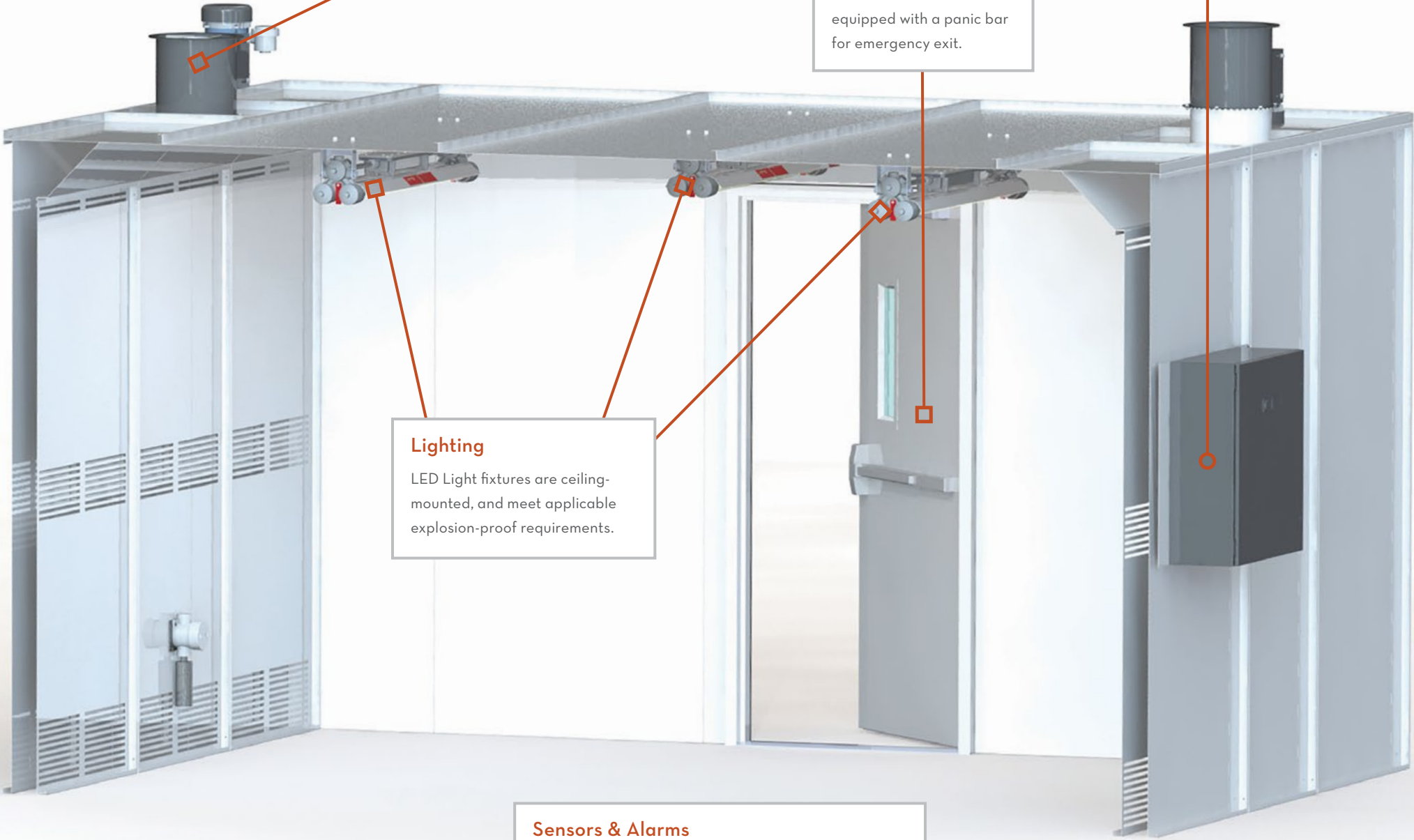
The Control Panel is the heart of the HAL Extraction Booth System. It is designed to provide a high degree of protection to workers and facilities while saving energy. Integrated controls are used to ensure coordination of fan, sensors, alarms, power and lighting. The control panel is listed under UL 508A for Industrial Control Panels.

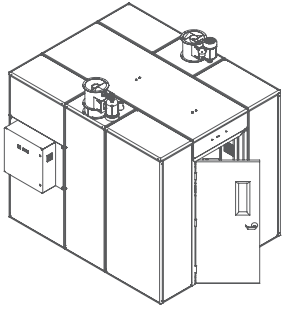
Lighting

LED Light fixtures are ceiling-mounted, and meet applicable explosion-proof requirements.

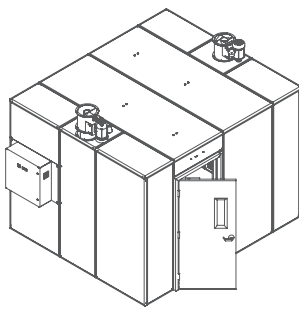
Sensors & Alarms

The best infrared hydrocarbon sensors are used to detect and control butane, propane, ethanol, and carbon dioxide. (Not shown)

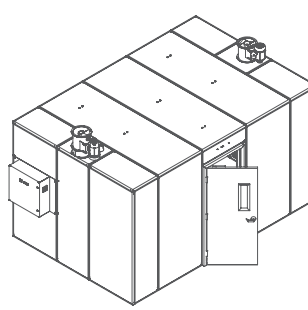




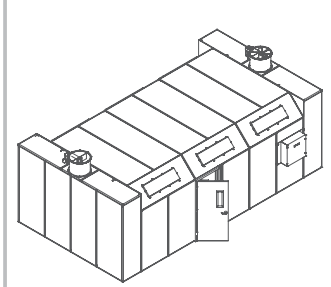
Model 70M - Small
10'0"W x 7'11"L x 8'3.5"H



Model 105M - Medium
10'0"W x 11'7"L x 8'3.5"H



Model 140M - Large
10'0"W x 15'3"L x 8'3.5"H



Model 345M - XL
14'3"W x 26"L x 9'1.5"H

BOOTH FEATURES

The HAL Extraction Booth System, and every component, were designed first and foremost as an integrated safety system. Each product contains the following safety systems and more:

- ventilation to reduce flammable solvent concentrations
- sensors to warn of hazardous conditions and to control ventilation
- electrical components rated as explosion-proof or intrinsically safe
- emergency exiting for personnel
- explosion pressure-relief systems to prevent dangerous overpressures
- explosion-proof fans and motors
- explosion-proof lighting
- ignition source control
- placement of non-rated utilities outside of explosion-proof rated areas

HAL

EXTRACTION

Contact an extraction booth system advisor today.

We want to hear from you.

Reach out for a quote, custom requests, or general inquiries.

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