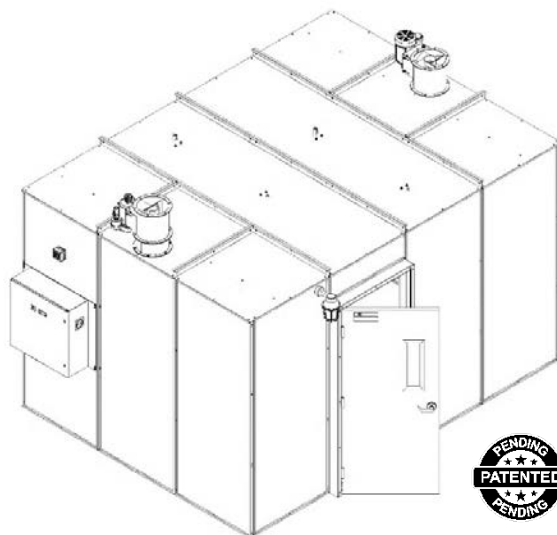


# HAL

## EXTRACTION

### MODEL 120U

#### CLASS I, DIVISION 1, GROUP D EXTRACTION BOOTH



| ITEM                      | DESCRIPTION   | QUANTITY     |
|---------------------------|---|--------------|
| INTERIOR SF               | 120 FT <sup>2</sup>   |              |
| EXTERIOR DIMENSIONS       | 10'0" W x 13'7" L x 8'5" H  |              |
| INTERIOR DIMENSIONS       | 9'9" W x 12'1" L x 8'2" H   |              |
| MAX HEIGHT W/ FAN         | 9'8" H  |              |
| VENTILATION HARDWARE      | 12" Explosion-proof fan package.  | 2            |
| MIN. AIR FLOW RATES       | Min. base air flow rate: 500 CFM, Min. Purge air flow rate: 1500 CFM  | 2 speeds     |
| ELECTRICAL SUPPLY         | One 20-amp 208V circuit, single phase. Control Panel FLA = 14.9 AMPS.<br>Booth as Configured = 5.3 AMPS.  |              |
| LIGHT FIXTURES            | UL Listed 2-tube Class I, Division 1 explosion proof  | 2            |
| GAS SENSOR                | UL Listed Infrared, Class I, Division 1 explosion-proof, butane, propane, ethanol, isopropyl alcohol, carbon dioxide  | 1            |
| SENSOR SET POINTS         | Base air flow rate up to 10% of Lower Explosive Limit, high flow rate at over 10% of LEL  | 2 set points |
| INSTALLATION LIMITATIONS  | The booths shall be separated from other operations by a minimum distance of 3 ft or by a 1-hour fire rated partition, wall, or floor/ceiling.<br>The 3 ft perimeter around the door is a Class I, Division 2 Hazardous Location. |              |
| PANELS                    | 18-ga powder coated steel. Meets NFPA 33 (2018) 5.3.2 const. requirements.  | 40           |
| DOOR                      | 90-minute fire-rated, 18-ga steel LHR door with 7"x22" window & panic bar.  | 1            |
| ANCHORS                   | 1" Drop Anchors rated at 460lbs Pullout strength, and 490lbs Shear strength, per anchor. Values are 25% of ultimate value. 3 Anchors per panel.   | 57           |
| PLENUMS                   | Supply and exhaust, designed to place greatest amount of air movement near floor surface and working surfaces. Custom designs available.  | 2            |
| CONTROL PANEL             | UL-Listed, UL 508A, (2) 1 to 3 Phase Variable Speed Drives, Micro PLC   | 1            |
| CONTROL SETTINGS          | Off, Fan On, Fan and Lights On  | 3            |
| LIGHT ALARM               | Amber, Class I, Div. 2 rated  | 1            |
| SOUND ALARM               | 24V DC, 109 Db @ 1M   | 1            |
| ALARM SET POINTS          | Amber Light Alarm + Purge Air Flow Rate at 10% of LEL<br>Amber Light Alarm + Purge Air Flow Rate + Sound Alarm at 25% of LEL  |              |
| UTILITY PENETRATION PLATE | (2) 3/4", (4) 1 1/8", (8) 1 3/8", (2) 1 3/4" pre-punched penetrations with fire-rated hole plugs.   |              |
| FIRE SUPPRESSION          | Available upon request at an additional price.  |              |
| ODOR MITIGATION           | Not included  |              |
| SETUP AND ASSEMBLY        | Not included  |              |
|                           | *upgraded fan packages available upon request*  |              |