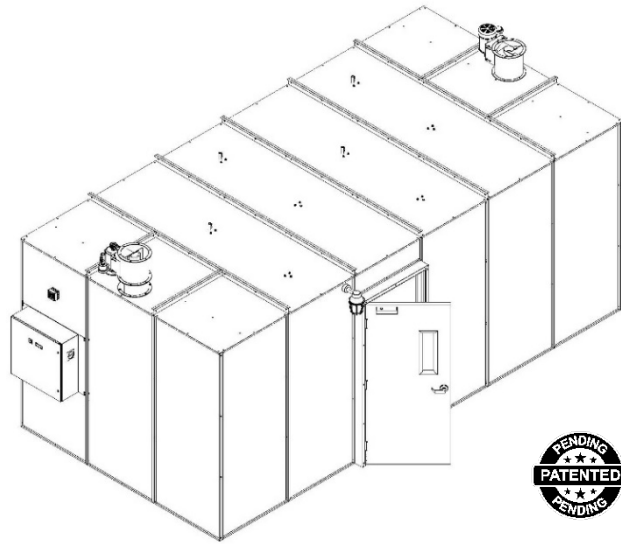


HAL

EXTRACTION

MODEL 180U

CLASS I, DIVISION 1, GROUP D
EXTRACTION BOOTH



| ITEM | DESCRIPTION | QUANTITY |
|--------------------------|---|--------------|
| INTERIOR SF | 180 FT ² | |
| EXTERIOR DIMENSIONS | 10'0" W x 20'3" L x 8'5" H | |
| INTERIOR DIMENSIONS | 9'9" W x 18'9" 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. Booth as Configured = 5.3 AMPS. | |
| LIGHT FIXTURES | UL Listed 2-tube Class I, Division 1 explosion proof | 4 |
| 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. 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 construction requirements. | 46 |
| 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. | 69 |
| 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 Amber Light Alarm + Purge Air Flow Rate + Sound Alarm at 25% of LEL | |
| UTILITY PENETRATIONS | (2) 3/4", (4) 1 1/8", (8) 1 3/8", (2) 1 3/4" penetrations with fire-rated hole plugs. | 2 Plates |
| FIRE SUPPRESSION | Available upon request at an additional price. | |
| ODOR MITIGATION | Not included | |
| SETUP AND ASSEMBLY | Not included | |
| | *upgraded fan packages available upon request* | |