MODEL 215U

CLASS I, DIVISION 1, GROUP D EXTRACTION BOOTH
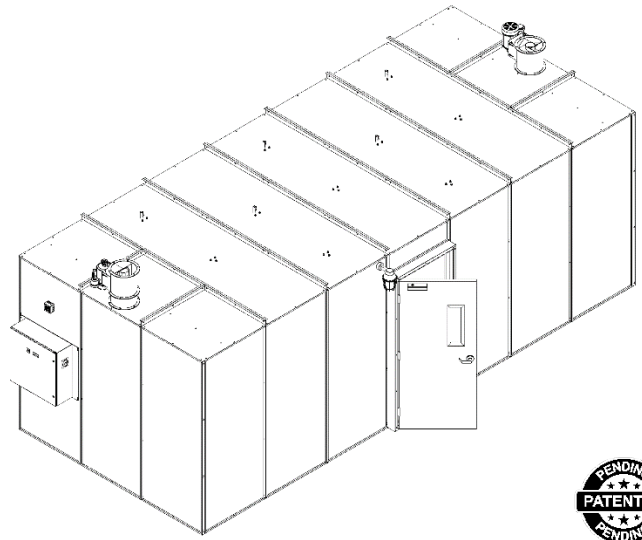
ITEM	DESCRIPTION	QUANTITY
INTERIOR SF	215 FT^2	
EXTERIOR DIMENSIONS	10'0" W x 23'7" L x 8'5" H	
INTERIOR DIMENSIONS	9'9" W x 22'4" L x 8'2" H	
MAX FAN HEIGHT	9'8" H	
VENTILATION HARDWARE	12" Explosion-proof fan package.	2
MIN. AIR FLOW RATES	Min. base air flow rate: 500 CFM, Min. Purge air flow rate: 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	5
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.	49
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.	75
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	