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CONTAINED VENTED ENCLOSURE (CVE) ETA603027AAD

TECHNICAL SPECIFICATIONS

CONTAINED VENTED BALANCE ENCLOSURE -ETA603027AAD





GENERAL DESCRIPTION

DESIGNATED USAGE

FSI contained vented enclosures provide personnel and environmental protection but no product protection. These Class I BSCs are commonly used to enclose specific equipment or procedures that potentially generate aerosols. BSCs of this class are either ducted or un-ducted.

PRIMARY ENGINEERING CONTROL (PEC) TYPE

Class I Contained Vented Enclosures.

MAIN CHAMBER CLASSIFICATION

Suitable for OEB Levels 1-3

MODEL SPECIFICATIONS

CONFIGURATION

panels:

The ETA series basic setup includes single 4" HEPA Filters and Fans, Blanked Plates on both sides for optional disposal port, and 1.5" knock outs on both sides for cord management.

	EXTERIOR DIMENSION Length: 59.75'		S INTERIOR DIMENSIONS		DIMENSIONS .
			,	Length:	58.00"
	Depth:	30.00	,	Depth:	24.81"
	Height:	46.93	,	Height:	26.90"
MATERIALS OF CONSTRUCTION	Enclosure		Clear 0.375" acrylic front and side panels. White 0.375" acrylic		

rear panel

	Work surface:	Black 1" base that is dished to 0.5" (Phenolic Resin Base), Routed to Fit Sidewalls for Containment			
	Plenums/Baffle:	White 0.375" acrylic rear plenum. Clear 0.375" upper panel.			
TECHNICAL SPECIFICATIONS	 LAMINAR AIR FLOW FILTRATION Fan & filter modules are mounted on the top panel of the unit Fan & filter modules provide HEPA (99.995% at mpps) vertically laminar filtered air Air velocity: Recommended 75 ft/minute average +/-5 when measured at face opening 				
	and high of Fan shrou of Impeller I of two order four order	ed balanced galvanized steel fan impeller wheel for low vibration energy efficiency. Indicated from fiberglass. Diameter = 9.8" Intput of 50-55 dB @ 3 feet at maximum flow. Entire unit affords are of magnitude isolation from adjacent equipment vibration and are of magnitude isolation from fan vibration. Indicated to properly set flow rate.			
	 ELECTRICAL REQUIREMENTS FAN: (EA.) 120VAC, 50/60Hz, 1PH, 2.25AMPS, 270 WATTS at maximum flow, 5A FUSED (TOTAL FANS - 4.50AMPS, 540 WATTS, 10A FUSED) LED Light: 575ma 12 Volts DC (If purchased separately) Hospital grade power cord supplied 				
	Fan filterIntegrateHospital g	ch on/off button (when applicable) switch on/off d Alarm with Lighted Switch and Audible alarm grade power cord			
	enclosure	knock outs for electrical cord passage, one on either side of the to the rear. Ste chute port for (optional) Disposal Port			
	 VELOCITY ALARM ○ 0.2 Amps with dry contact feature provided ○ Integrated into top mount fan housing and equipped with red light which warns of low velocity; green light which indicates nominal containment velocity with proper certification 				
	EXHAUST SPECIFICAT O Operating velocity 7 O With Thin Maintain				
	EXHAUST RECOMME O Use thimle	NDATIONS ple connection (FS2081MS) for House Exhaust connections.			

	 No additional equipment required for independent recirculating configuration
DESIGN FEATURES	The Contained Vented Enclosure is designed with multiple features for maximum containment, ease of use, and ensuring a stable work environment for sensitive activities:
	 EXHAUST PORT (2x) 6" exhaust port Capable of being recirculated back into the lab Thimble connections required to connect to house exhaust
	FS1650 ALARM • FS1650 Integrated Face Velocity Alarm Alerts the operator when airflow is compromised. Alarm is integrated into fan housing on left side.
PART #: ALL603027NW	 OPTIONAL ADDER LED LIGHT KIT Natural cool white light. Comes with a three-way toggle switch that is off/high/low. Amber option available
	FRONT LIFT DOORS O Hinged front doors that lift for easy loading and unloading of equipment
	AIRFOILS O Quantity: Four (4) (2 side airfoils, 1 base airfoil, 1 door airfoil) Airfoils staged around the perimeter of the face opening stabilize the airflow, improve laminar airflow, and improve containment along the leading edge.
	 DISHED BASE Dished phenolic base captures accidental liquid and powder spills.
	 WASTE PORT Waste port can be placed on either and/or both sides of the enclosure and is used to safely remove waste.
	 PLENUMS Rear and Top Plenums are used to direct airflow and maintain containment at the face opening. Plenums also prevent particles from possibly falling back onto the work surface if the fan is turned off.
	BAG OUT O HEPA change out system that allows for safe removal and replacement of the main 4" HEPA filter.
PART #: 4155	REPLACEMENT FILTER O Replacement HEPA Filter (Need 2).

PART #: 4720-24X14	REPLACEMENT FAN
	 Top mount fan housing (Right side).
PART #: 4720A-24X14	REPLACEMENT FAN
	 Top mount fan housing with integrated alarm (Left side).
PART #: 2070	Waste Chute (Port)
	 Waste chute with retaining band and bag.
PART #: 2079	Double Safe Waste Chute
	 Waste chute with double sleeve protection, retaining band and bag.
PART #: 2081MS	THIMBLE CONNECTION, 6" TO 7" TRANSITION
	 Thimble for connection to house exhaust.
PART #: 2062VK	VENT KIT, (8') 6" HOSE AND (2) HOSE CLAMP
	 Hose and Clamp for connection to house exhaust.
PART #: 2077	PRINTER SHELF — NO ALARM MOUNT
	 Label printer shelf for above blank plate for label printing.
PART #: AFC241408A_(A/B)	CARBON FILTER 24x14 - ORGANIC
	 Powder coated carbon steel frame containing 8 ABS plastic canisters with coconut shell activated charcoal media (2X).
PART #: AFC241408B_(A/B)	CARBON FILTER 24x14 - ACID
	 Powder coated carbon steel frame containing 8 ABS plastic canisters with impregnated coconut shell activated charcoal media (2X).
PART #: AFC241408C_(A/B)	CARBON FILTER 24x14 -AMINE
	 Powder coated carbon steel frame containing 8 ABS plastic canisters with impregnated coconut shell activated charcoal media (2X).
PART #: AFC241408D_(A/B)	CARBON FILTER 24x14 - ALDEHYDE
	 Powder coated carbon steel frames containing 8 ABS plastic canisters with impregnated coconut shell activated charcoal media (2X).
PART #: AEC6030S	ADA, 60 x30, ELECTRIC POWDER COATED TABLE
	 Electric Ergonomic Lift Table, Powder coated carbon steel, on frame and feet, locking casters.
PART #: AES6030S	ADA, 60 x30, Stainless Steel Ergonomic Lift Table
	 Electric Ergonomic Lift Table, 304 Stainless Steel, on frame and feet, locking casters.
PART #: ACC6030S	ADA, 60 x30, Powder Coated Steel Cart
	 Powder coated carbon steel cart, on frame and feet, locking casters.

PART #: ACS6030S	ADA 60 v20 STAINLESS STEEL CART			
PART #: AC360303	ADA, 60 x30, STAINLESS STEEL CART			
	 304 Stainless steel cart, on frame and feet, locking casters. 			
PART #: ATC6030S	POWDER COATED STEEL, 60x30 TABLE			
	o Powder coated steel table.			
PART #: ATS6030S	STAINLESS STEEL, 60x30, TABLE			
	 304 Stainless steel table, on frame and feet, locking casters. 			
INSTALLATION	Flow Sciences is delighted to offer you Installation services to ensure the complete			
	start-up of your Contained Vented Enclosure.			
Installation, Start-up and	INSTALLATION (at an additional charge)			
TRAINING	Flow Sciences will send One (1) Technician onsite to install equipment within your			
	facility. Flow Sciences may require additional assistance on site. If additional			
	assistance is required, Flow Sciences will request your assistance or provide			
	additional technicians from Flow Sciences (at an additional charge) if no client staff is available.			
	START-UP AND TRAINING (at an additional charge)			
	One (1) Flow Sciences technician will demonstrate the usage of the equipment and			
	train your personnel on the usage of the equipment after the installation is complete			
	Flow Sciences will provide an operating manual which will include the as built drawings and all the materials certificates.			
	***Please note that proposal amount for Installation, Start-up and Training is for 1			
	days of work for one technician. Should the labour exceed this time frame, and			
	hourly labour rate will apply.			
	Surrogate Powder Tests (at an additional charge)			
	Surrogate powder testing available during factory acceptance testing.			
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	IQOQ – INSTALLATION OPERATION QUALIFICATION (at an additional charge)			