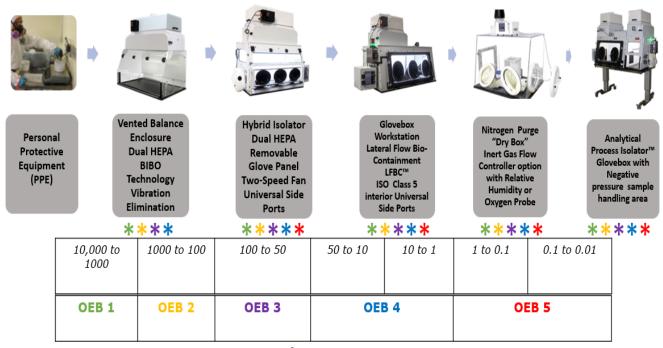




# Flow Sciences, Inc. Engineering Controls Vented Enclosures to Analytical Process Isolators



Occupational Exposure Band (OEB) in  $\mu$ gms/m³ = micrograms per cubic meter ( task duration and facility dependent) Surrogate Powder Testing Results Available

# 2021 MINICATALOG FOR STANDARD PRODUCTS



The Flow Sciences, Inc. 2021 Minicatalog features our "Standard Products" engineering controls product range including: Vented Enclosures; Hybrid Isolators; Glovebox Workstations; Nitrogen Purge Boxes and introducing our newest product, the ANALYTICAL PROCESS ISOLATOR (API) for Continuous Process Containment.

The products are arranged showing their product code key and then: Catalog Number, Description, List Price, Dealer Price, and Dimensions. The catalog number sequence is defined with each letter or number described. Dimensions use imperial units of inches with metric equivalent units shown in the catalog number row.

There are many combinations of standard units available and the Minicatalog shows a select list. Not all possible configurations are shown. For example, catalog numbers for systems that need a mesh top fan may be requested by using the letter "G" for (exhaust) choice.

The "Accessories and Services" section, lists frequently purchased items that ensure the system is completed with options for proper exhaust, table, and services often needed for our clients' complete containment solution.

On the last page please see our website https://www.flowsciences.com, contact form and QR code. This is one of the many ways our clients contact us and gain information for their applications, by filling out the page or sending us an email addressed to information@flowsciences.com.

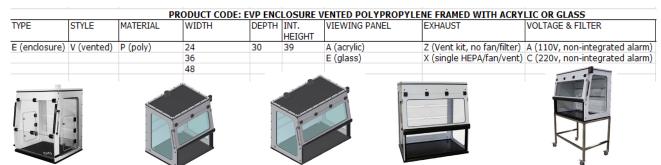
We hope this Minicatalog is a useful tool in the selection of standard products. Custom Quotation Requests are always welcome and a way to explore the thousands of solutions in our engineering controls library. As we bring you Virtual Showrooms, Application Training, Certifier Training, Containment Enclosure Galleries, Whitepapers and more please let us know how we may offer support for you and our mutual customers.

#### Respectfully,

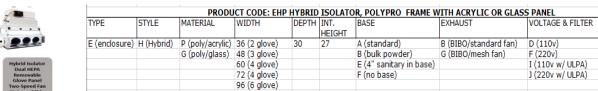
#### Steve Janz, VP International Sales & Strategic Business Development

						PRODUCT	CODE: ETA	TOP MOUNT FAN ENCLO	SURE					
	TYPE	STYLE	MATERIAL	WIDTE	HDEPTH	INTERNAL HEIGHT	BASE	EXHAUST	VOLTAGE & FILTER			DRAFT SHIELD		
	E (enclosure)	T (top	A (acrylic)	24	24	24	A (standard)	A (single HEPA, fan)	A (110V, non-i	ntegrated aları	m)	1 (ha shield	s a draft	
	(enclosure)	modricy		36	30		B (bulk	B (BIBO, fan)	C (220v, non-i	ntegrated aları	m)	Silieit	۵)	
	+			48			powder)	powder)  C (single HEPA, no fan) D (110v, integra						
Vented Balance Enclosure Dual HEPA	-	60 27 72		D (no fan, no filter) E (BIBO, no fan)	F (220v, integrated alarm) G (110v w/ ULPA)									
BIBO Technology Vibration				96				F (single HEPA, mesh)	H (220v w/ UL	PA)				
Elimination								G (BIBO, mesh) H (inverted)	I (110v w/ ULF J (220v w/ ULF	A, integrated a	alarm)			
									(-) no voltage	- for no fan onl	У			
CATALOG	S NUMBER			DES	SCRIPTI	ON: ETA	TOP MOUN	T FAN ENCLOSURE		Width (side to side ⊡) inches (mm)	Dep (front back[ inch (mn	t to ②) es	Height (enclosure only[]) inches (mm)	Total Height add 30" (762) for Fan & Filter Housing) inches (mm)
							İ			Í				¥
ETA363024	ABD	21.1/54	ITED DA! A	NCE E	VICI OC'	IDE DILA	LIEDA			35.75	30.0	00	27.38	57.38
ETA363024	ABF	3. VEN	NTED BALA	INCE E	NCLUSU	IKE, DUAL	. ПЕРА			(908.05)	(76	2)	(693.42)	(1455.42)
ETA483024	ABD	4' \/EN	NTED BALA	NCE E	אוכו סכי	IDE DIIAI	HEDA			47.75	30.0	00	27.38	57.38
ETA483024		4 VEN	NIED BALA	INCE E	NCLOSU	IKE, DUAL	. ПЕРА			(1212.85)	(762	2)	(693.42)	(1455.42)
ETA603027	ABD	E' \/EN	NTED BALA	NCE	אוכו סכי	IDE DIIAI	HEDA		•	59.75	30.0		27.38	57.38
ETA603027	ABF	2 VEN	NIED DALA	IIVCE E	VCLUSU	INE, DUAL	LIICPA			(1517.65)	(762		(693.42)	(1455.42)
ETA723027		6' VEN	NTED BALA	NCE E	אוכו טפו	IDE DIIVI	HEDA			71.75	30.0		27.38	57.38
ETA723027	ABF	IO VLI	VILU DALA	UVCL L	*CLU3C	INL, DUAL				(1822.45)	(762	2)	(693.42)	(1455.42)





EVP363039AZA	3' LOCAL EXHAUST HOOD, BIFOLD DOOR	35.75	30.00	39 (990.6)	43 (1092)
	5 EOCAL EXTRAOST TOOD, BIT OLD DOOK	(908.05)	(762)	39 (990.0)	43 (1092)
EVP483039AZA	4' LOCAL EXHAUST HOOD, BIFOLD DOOR	47.75	30.00	39 (990.6)	42 (1002)
LVF463039AZA	4 LOCAL EXTRAOST TOOD, BIT OLD DOOK	(1212.85)	(762)	39 (990.0)	43 (1092)
EVP363039EZA	3' LOCAL EXHAUST HOOD, OPEN FACE	35.75	30.00	39 (990.6)	, ,
EVP363039EZA	3 LOCAL EXTRAOST TOOD, OPEN FACE	(908.05)	(762)	39 (990.0)	43 (1092)
EVP483039EZA	4' LOCAL EXHAUST HOOD, OPEN FACE	47.75	30.00	39 (990.6)	43 (1092)
LVF403039EZA	4 LOCAL EXTRAOST TIOOD, OPEN FACE	(1212.85)	(762)	39 (990.0)	43 (1092)



CATALOG NUMBER	DESCRIPTION	Width (side to side ⊡) inches (mm)	Depth (front to back / )i nches (mm)	Height (enclosur e only[]) inches (mm)	Total Height add 30" (762) for Fan, Filter and BIBO housing) inches (mm)
			<i>d</i> .		



EHP363027ABD	3' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	35.75	30.00	27.38	57.38
EHP363027ABF		(908.05)	(762)	(693.42)	(1455.42)
EHP483027ABD	4' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	47.75	30.00	27.38	57.38
EHP483027ABF		(1212.85)	(762)	(693.42)	(1455.42)
EHP603027ABD	5' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	59.75	30.00	27.38	57.38
EHP603027ABF		(1517.65)	(762)	(693.42)	(1455.42)
EHP723027ABD EHP723027ABF	6' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME &ACRYLIC VIEW PANEL	71.75 (1822.45)	30.00 (762)	27.38 (693.42)	57.38 (1455.42)
E. H. 7 ES 0 E 7 7 1 B 1		(1022.13)	(702)	(030112)	(1133112)
EHG363027ABD	3' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & GLASS VIEW PANEL	35.75	30.00	27.38	57.38
EHG363027ABF		(908.05)	(762)	(693.42)	(1455.42)
EHG483027ABD	4' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & GLASS VIEW PANEL	47.75	30.00	27.38	57.38
EHG483027ABF		(1212.85)	(762)	(693.42)	(1455.42)
EHG603027ABD	5' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & GLASS VIEW PANEL	59.75	30.00	27.38	57.38
EHG603027ABF		(1517.65)	(762)	(693.42)	(1455.42)
EHG723027ABD	6' HYBRID ISOLATOR, GLOVE BOX, POLYPROPYLENE FRAME & GLASS VIEW PANEL	71.75	30.00	27.38	57.38
EHG723027ABF		(1822.45)	(762)	(693.42)	(1455.42)
EHP483027BBD	4' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	47.75	30.00	27.38	57.38
EHP483027BBF		(1212.85)	(762)	(693.42)	(1455.42)
EHP603027BBD	5' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	59.75	30.00	27.38	57.38
EHP603027BBF		(1517.65)	(762)	(693.42)	(1455.42)
EHP723027BBD	6' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	71.75	30.00	27.38	57.38
EHP723027BBF		(1822.45)	(762)	(693.42)	(1455.42)
EHG483027BBD	4' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	47.75	30.00	27.38	57.38
EHG483027BBF		(1212.85)	(762)	(693.42)	(1455.42)
EHG603027BBD	5' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	59.75	30.00	27.38	57.38
EHG603027BBF		(1517.65)	(762)	(693.42)	(1455.42)
EHG723027BBD	6' Bulk Powder HYBRID ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	71.75	30.00	27.38	57.38
EHG723027BBF		(1822.45)	(762)	(693.42)	(1455.42)







	PRO	DUCT CODE: EC	SP/EGG Code G	LOVEBO	X WORKS	TATION POLYPROPYL	ENE FRAMED WITH ACR	YLIC OR GLASS	
TYPE	STYLE	MATERIAL	WIDTH	DEPTH	INT.	BASE	EXHAUST	VOLTAGE & FILTER	PASS THROUGH
					HEIGHT				SIDE
	G								
E (enclosure)	(Glovebox)	P (poly/acrylic)	48 (2 glove)	30	24	A (standard)	B (BIBO/standard fan)	D (110v)	0 (left)
		G (poly/glass)	60 (3 glove)			E (4" sanitary in base)	G (BIBO/mesh fan)	F (220v)	1 (right)
			72 (4 glove)			F (no base)		I (110v w/ ULPA)	
								J (220v w/ ULPA)	

CATALOG NUMBER

DESCRIPTION

Width (side to side →) inches (mm)

Depth (front to back ) in ches (mm)

Height (enclosure only 1) inches (mm)

Total Height add 30" (762) for Fan, Filter and BIBO housing) inches (mm)











EGP483024ABD0	4' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	47.75	30.00	27.38	57.38
EGP483024ABF0		(1212.85)	(762)	(693.42)	(1455.42)
EGP603024ABD0	5' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	59.75	30.00	27.38	57.38
EGP603024ABF0		(1517.65)	(762)	(693.42)	(1455.42)
EGP723024ABD0	6' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & ACRYLIC VIEW PANEL	71.75	30.00	27.38	57.38
EGP723024ABF0		(1822.45)	(762)	(693.42)	(1455.42)
EGG483024ABD0	4' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & GLASS VIEW PANEL	47.75	30.00	27.38	57.38
EGG483024ABF0		(1212.85)	(762)	(693.42)	(1455.42)
EGG603024EBD1	5' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & GLASS VIEW PANEL	59.75	30.00	27.38	57.38
EGG603024EBF1		(1517.65)	(762)	(693.42)	(1455.42)
EGG723024ABD0	6' GLOVEBOX WORKSTATION, POLYPROPYLENE FRAME & GLASS VIEW PANEL	71.75	30.00	27.38	57.38
EGG723024ABF0		(1822.45)	(762)	(693.42)	(1455.42)





				PRODU	CT CODE:	<b>END ENCLOSURE NIT</b>	ROGEN DISSIPATIVE		
TYPE	STYLE	MATERIAL	WIDTH	DEPTH	INT. HEIGHT	BASE	EXHAUST	VOLTAGE & FILTER	OPTIONS
E (enclosure)	N (nitrogen)	D (static diss. Acrylic)	36		28	A (standard)	C (No fan, w/filter)	K (110V)	0 (left access door)
			48				D (no fan or filter)	L (220v)	1 (right access door) 2 (left access door/right transfer port)
									3 (right access door/left transfer port)









END362828ACK3	3' NITROGEN PURGE GLOVE BOX (no fan)	35.75	29.38	27.25	42.7 (1085.58)
END362828ACL3	3 NTRUGEN PURGE GLOVE BOX (NO TAIT)	(908.05)	(74.62)	(692.15)	42.7 (1085.58)
END482828ACK3	4' NITROGEN PURGE GLOVE BOX (no fan)	47.75	29.38	27.25	42.7 (1085.58)
END482828ACL3	14 NTROGEN PORGE GLOVE BOX (110 1811)	(1212.85)	(74.62)	(692.15)	42.7 (1003.30)
END602828ACK3	5' NITROGEN PURGE GLOVE BOX (no fan)	71.75	29.38	27.25	42.7 (1085.58)
END602828ACL3	3 NITROGEN FORGE GLOVE BOX (III Iail)	(1822.45)	(74.62)	(692.15)	42.7 (1065.36)
FS1501	HIGH FLOW NITROGEN CONTROLLER (shown in picture)				







PRODUCT	CODE: ECP	ECG CODE EN	CLOSURE DUAL	CONTA	INMENT P	OLYPROPYLENE FRAM	ED WITH ACRYLIC OR G	LASS Analytical Pro	cess Isolator
TYPE	STYLE	MATERIAL	WIDTH	DEPTH	INT.	BASE	EXHAUST	VOLTAGE & FILTER	PASS THROUGH
					HEIGHT				SIDE
	C ( Dual								
	Containme								
E (enclosure)	nt)	P (poly/acrylic)	60 (2 glove)	36	24	A (standard)	B (BIBO/standard fan)	D (110v)	0 (left)
		G (poly/glass)	72 (3 glove)			E (4" sanitary in base)	G (BIBO/mesh fan)	F (220v)	1 (right)
			84 (4 glove)			F (no base)		I (110v w/ ULPA)	
								J (220v w/ ULPA)	









ECP603624ABDO	5' ANALYTICAL PROCESS ISOLATOR, ACRYLIC VIEW PANEL	59.75 (1518)	36 (914)	24.75 (629)	55.91 (1420)
ECP723624ABDO	6' ANALYTICAL PROCESS ISOLATOR, ACRYLIC VIEW PANEL	71.75 (1822)	36 (914)	24.75 (629)	55.91 (1420)
ECP843624ABDO	7' ANALYTICAL PROCESS ISOLATOR, ACRYLIC VIEW PANEL	83.75 (2127)	36 (914)	24.75 (629)	55.91 (1420)
ECG603624ABDO	5' ANALYTICAL PROCESS ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	59.75 (1518)	36 (914)	24.75 (629)	55.91 (1420)
ECG723624ABDO	6' ANALYTICAL PROCESS ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	71.75 (1822)	36 (914)	24.75 (629)	55.91 (1420)
ECG843624ABDO	7' ANALYTICAL PROCESS ISOLATOR, POLYPROPYLENE FRAME & GLASS VIEW PANEL	83.75 (2127)	36 (914)	24.75 (629)	55.91 (1420)

PRODUCT DESCRIPTION: VBSE (Vented Balance Safety Enclosures): Many laboratories need separate fan-filter housings due to facility height or air capacity restrictions. The legacy product range of VBSEs are available in many widths and configurations and can be vented into single stage, dual stage and BIBO Bag-In / Bag- Out configurations. Please inquire per application an example is shown, with Safe Change And BIBO Exhaust Fan.









EVA362319AYA		35.75	23		
EVA362319AYC	2015 MODEL VENTED BALANCE SAFETY ENCLOSURE (VBSE), WITH REMOTE EXHAUST	(908.05)	(584.2)	19 (482.6)	not applicable
FS4010 FS4020	FAN FILTER HOUSING- CONFIGURATIONS PER SYSTEM AND VENT KITS MAY DIFFER				
	FUME HOODS AND CABINETS	AVAILAB		CONFIGURAT	IONS PLEASE ILS













#### ACCESSORIES & SERVICES (SVCs): PLEASE INQUIRE PER APPLICATION

A majority of vented enclosures are ducted and connected to the client's house exhaust (or extract system). The "thimble connection" is a regular addition to a "vent kit" to allow proper operation. Please inquire for the proper exhaust configuration as many are available to accomodate many facility requirements. Other common accessories shown below are examples of regularly purchased parts to a system application.



VENT KIT (Hose & Clamps)





AIR DIFFUSER



MESH TOP FAN FOR RECIRCULATION



LED LIGHT KIT OPTION



SANITARY FITTINGS



RAPID TRANSFER



IRIS PORT; SS VALVE



SPRAY WAND & INTERNAL OUTLETS OPTIONS



GLOVES AND GLOVE SLEEVE WITH CUFF



PAINTED STEEL TABLE WITH ADUSTABLE FEET



304 SS TABLE WITH



304 SS LIFT TABLE 1800 POUND (816 Kg





CONTINUOUS LINER PORT WITH 25' BAG: FLANGE AND ADAPTOR, SANITARY FITTING AND REPLACEMENT LINERS

CATALOG NUMBER	DESCRIPTION
2081MS	THIMBLE CONNECTION FOR TOP MOUNT FAN HOUSING
2062VK	8' OF 6" HOSE AND 2 HOSE CLAMPS
FS2085	AIR DIFFUSER FOR TOP MOUNT FANS
APS0825	8" CONT LINER PORT W/ 25' BAG
G 8B15329.75A	BUTYL GLOVES, 8" PORT, SIZE 9.75, AMB.
G 10B15329.75A	BUTYL GLOVES, 10" PORT, SIZE 9.75, AMB.
ATC4830S	48"WX30"D STANDARD TABLE
AEC6030S	60"WX30"D STANDARD ADA LIFT TABLE (LOW PROFILE TABLES AVAILABLE Please inquire)
ATS6030S	60"WX30"D STANDARD TABLE
ATC6030S	60"WX30"D STANDARD TABLE
FS2078	PRINTER SHELF WITH FS1650 ALARM MOUNT

SVCXXXX	INSTALLATION SERVICES
SVCXXXX	FACTORY ACCEPTANCE TEST SURROGATE POWDER
SVCXXXX	SITE ACCEPTANCE TEST SURROGATE POWDER
SVCXXXX	IQOQ (INSTALLATION QUALIFICATION OPERATION QUALIFICATION) DOCUMENTS
CRATE3	TRIPLE-WALLED CARDBOARD CRATE CHARGES VARY BY SIZE

NOTE: GLOVES AND SELECTED ACCESSORIES ARE SUBJECT TO PRICE CHANGE AND AVAILABILITY.

PRODUCTS FROM FLOW SCIENCES, INC. ARE SUBJECT TO PRICE CHANGE AND AVAILABILITY.



SINGLE HEPA & CARBON FILTER UNIT WASTE CHUTE & ALARM PRINTER STAND



DOUBLE SAFE WASTE CHUTE



STANDARD ENCLOSURES ON PALLET READY FOR CARDBOARD CRATE



## VENTED BALANCE ENCLOSURES

Top Mount Containment ETA Series VBE, CVE, Class I Bio Safety Cabinet

> Designed for working with balances and other equipment Available in many exhaust configurations Vibration reduction technology for reproducibility and accuracy Acrylic Construction with Phenolic Resin Base

### PROCESS

Handling and manipulation of API (Active Pharmaceutical Ingredients) and other toxic materials where personnel protection is required.

### CONTAINMENT

Heavily dependent on potency and quantity of the toxic material being worked with, this unit can contain a wide variety of OEL levels. Consult FSI about your application.

## EQUIPMENT

The ETA Series can provide containment for many applications and equipment, including balances, microscopes, particle analysis, and many more.







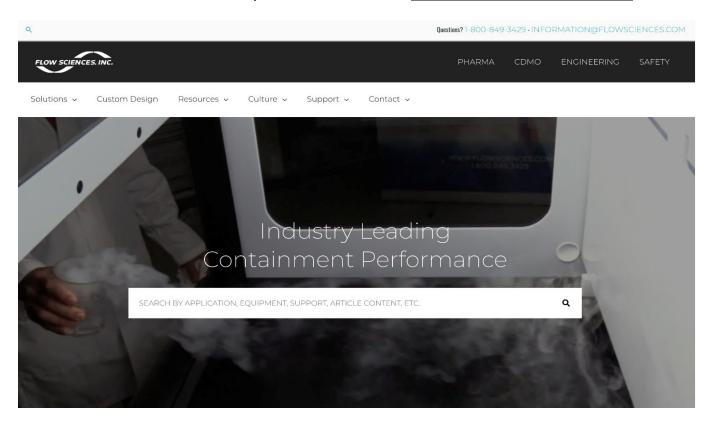




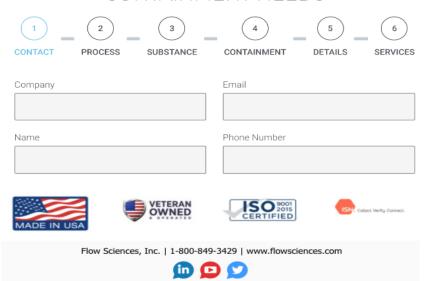




Please visit us on the web at https://www.flowsciences.com; see us on our YouTube channel; Tweet to us on Twitter, or send an email to: <a href="mailto:information@flowsciences.com">information@flowsciences.com</a>



# CONTACT US TODAY TO DISCUSS YOUR CONTAINMENT NEEDS





PLEASE SCAN THIS "QR" CODE TO GO TO FLOWSCIENCES.COM

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