

VENT BOSS[®]

by *RoboVent*[®]

SPEC GUIDE

EFFECTIVE 06/01/2016





**HARD WORKING DUST COLLECTION
FOR HARD WORKING PEOPLE**

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- Suited for application
- Ⓢ Collector ducted to hood above robot cell
- Ⓣ Collector integrated with ductwork to hoods, fume arms or backdrafts. Spark arresstance option recommended.
- Ⓛ Light duty / smaller applications.
- Ⓞ Option available.
- Ⓡ Recommended solution. Minimal install. Rapid implementation.
- Ⓜ Collector ducted to cutting table. Spark arresstance option recommended.

	MODEL	PAGE NUMBER	MANUAL WELDING	ROBOTIC WELDING	WELD SCHOOL / TRAINING	GRINDING	GENERAL/AMBIENT AIR CLEANING	PLASMA CUTTING TABLE	PORTABLE UNIT	WELD TABLE W/EXTRACTION
PORTABLES	S110	5	●		●				●	
	S111	5	●		●				●	
	S112	6	●		●				●	
	S120	7	●		●				●	
	S121	8	●		●				●	
	S122	9	●		●	Ⓛ			●	●
	S123	7	●		●				●	
	S124	8	●		●				●	
	S130	10	Ⓛ		●				●	
WORK STATIONS	S210	11	●		●	●			Ⓞ	●
	S211	12	●		●	●			Ⓞ	●
	S212	13	●		●	●			Ⓞ	●
	S220	14	●		Ⓡ	Ⓛ				●
	S230	15	●		Ⓡ	Ⓛ				●
SPACE SAVER UNITS	S310	15	●	Ⓛ	●					
	S311	15	●	Ⓛ	●					
	S312	16	●	Ⓛ	●					
	S313	16	●	Ⓛ	●					
	S314	17	●	Ⓛ	●					
	S315	18	●	Ⓛ	●					
	S316	18	●	Ⓛ	●					
	S317	19	●	Ⓛ	●					
	S318	19	●	Ⓛ	●					
	S319	20	●	Ⓛ	●					
	S320	21	●		●	Ⓛ				
	S321	22	●		●	Ⓛ				
	S350	23	●	Ⓛ	●					
COLLECTORS	S410	24	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
	S411	25	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
	S412	26	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
	S413	27	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
	S414	28	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
	S415	29	Ⓣ	Ⓢ	Ⓣ	Ⓣ		Ⓜ		
HI-VAC	S610	29	Ⓡ		●		Ⓡ			
	S620	30	Ⓡ		●		Ⓡ			
	S710	31	●		●				●	
	S720	32	●	●	●					
	S730	33	●	●	●					
	S740	34	●	●	●					

MODEL

S110/S111



Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week.



Capacity: 750 CFM @ 4.5 in.W.G.

Motor: 0.75 HP, Direct Drive

Voltage: Single phase, 110V, 50/60Hz

Full Load Amps: 13.8

Blower: Reverse inclined high performance blower wheel

Sound Level: 67 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 36" x 20" x 39"

Weight: 445 lbs.

Filter Cartridge: (1) VB-18D16-13

Filter Media Area: 203 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Filter manual blow-out port

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: (1) Metal Mesh Screen MM-16202

Configurations:

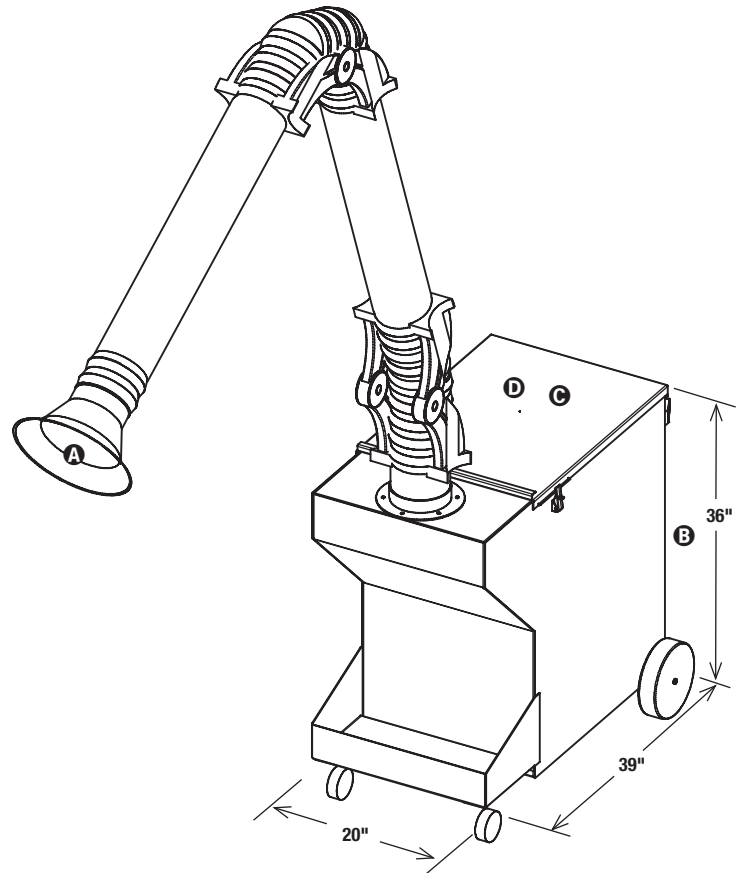
- **S110:** (1) 6" Diameter, 10' long Steel FumeArm
- **S111:** (1) 6" Diameter, 14' long Steel FumeArm

Options:

- 6" FumeArm LED Light Kit — VB-HD-6LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S110 (required for attachment)
- HEPA Replacement Filter: HP-S110-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- **A** Inlet Area
- **B** Clean Air Exhaust (on back of unit)
- **C** Filter Access Door
- **D** Motor/Blower Access

MODEL S112



Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week.



Capacity: 750 CFM @ 4.5 in.W.G.

Motor: 0.75 HP, Direct Drive

Voltage: Single phase, 110V, 50/60Hz

Full Load Amps: 13.8

Blower: Reverse inclined high performance blower wheel

Sound Level: 67 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 36" x 20" x 39"

Weight: 420 lbs.

Filter Cartridge: (1) VB-18D16-13

Filter Media Area: 203 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Filter manual blow-out port

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: (1) Metal Mesh Screen
MM-16202

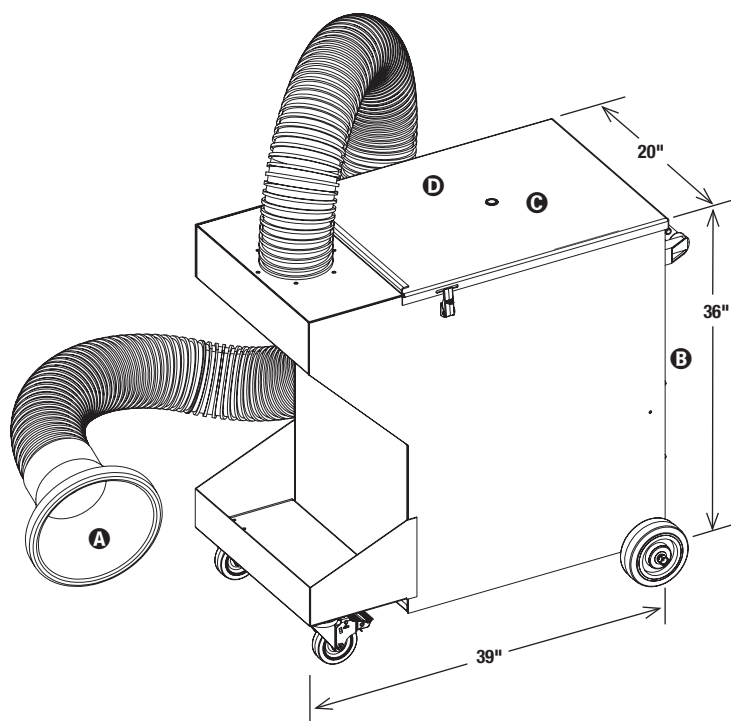
Configuration: (1) 6" Diameter, 12' long FlexHose and Hood with Magnetic Base

Options:

- 6" FumeArm LED Light Kit — VB-HD-6LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S110 (required for attachment)
- HEPA Replacement Filter: HP-S110-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust (on back of unit)
- C** Filter Access Door
- D** Motor/Blower Access

MODEL

S120/S123



Maximum filter life will be achieved with this product when one welder is welding up to 50 pounds of weld wire per week.



Capacity: 1200 CFM @ 4.5 in.W.G.

Motor: 1.5 HP, Direct Drive

Voltage: Single phase, 110V, 60Hz

Full Load Amps: 20.0

Blower: Reverse inclined high performance blower wheel

Sound Level: 70 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 53" x 23" x 31"

Weight: 440 lbs.

Filter Cartridge: (1) VB-14D26-13-SF

Filter Media Area: 256 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Lift-out Dust Tray

Spark Arrestance: (1) Metal Mesh Screen MM-20242

Configurations:

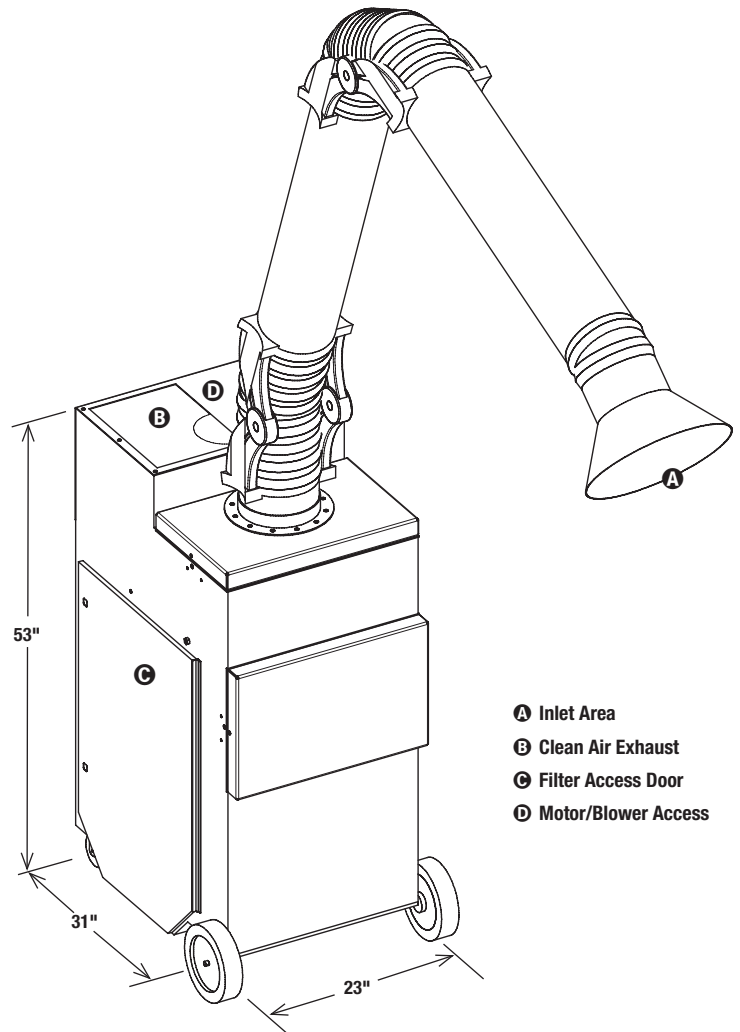
- **S120:** (1) 8" Diameter, 10' long FumeArm
- **S123:** (1) 8" Diameter, 14' long FumeArm

Options:

- 8" FumeArm LED Light Kit — VB-HD-8LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120 (required for attachment)
- HEPA Replacement Filter: HP-S120-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- Ⓐ Inlet Area
- Ⓑ Clean Air Exhaust
- Ⓒ Filter Access Door
- Ⓓ Motor/Blower Access

MODEL

S121/S124



Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.



Capacity: 1200 CFM @ 4.5 in.W.G.

Motor: 1.5 HP, Direct Drive

Voltage: Single phase, 110V, 60Hz

Full Load Amps: 20.0

Blower: Reverse inclined high performance blower wheel

Sound Level: 70 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 53" x 23" x 31"

Weight: 440 lbs.

Filter Cartridge: (1) VB-14D26-13-SF

Filter Media Area: 256 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Lift-out Dust Tray

Spark Arrestance: (1) Metal Mesh Screen
MM-20242

Configurations:

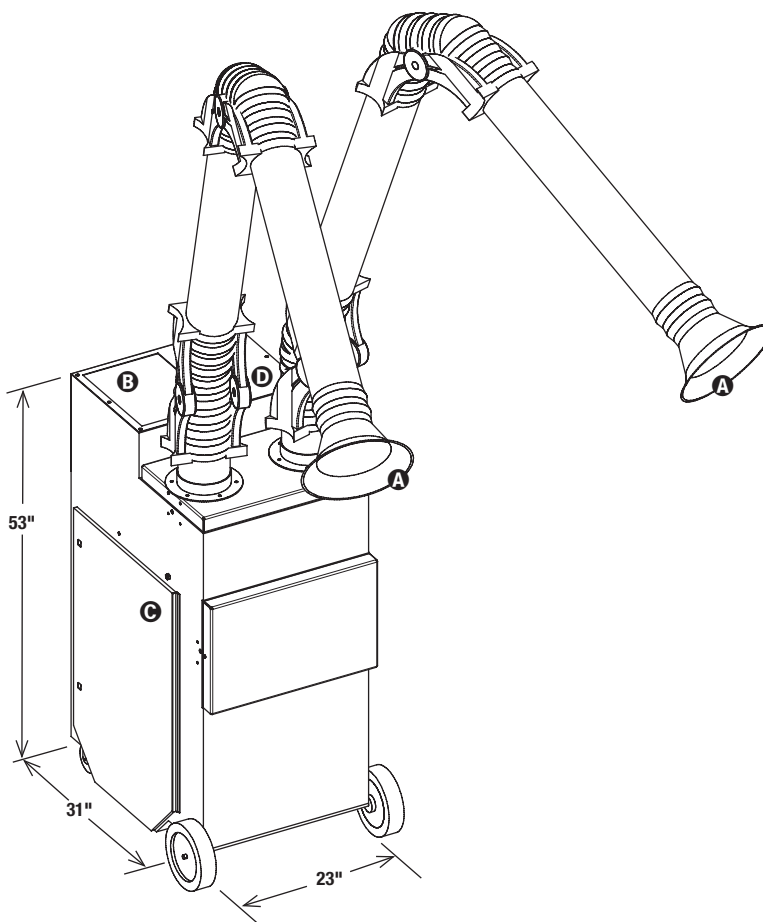
- **S121:** (2) 6" Diameter, 10' long FumeArm
- **S124:** (2) 6" Diameter, 14' long FumeArm

Options:

- 6" FumeArm LED Light Kit — VB-HD-6LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120 (required for attachment)
- HEPA Replacement Filter: HP-S120-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access

MODEL

S122



Maximum filter life will be achieved with this product when one welder is welding up to 50 pounds of weld wire per week or grinding small weldments



Capacity: 1200 CFM @ 4.5 in.W.G.

Motor: 1.5 HP, Direct Drive

Voltage: Single phase, 110V, 60Hz

Full Load Amps: 20.0

Blower: Reverse inclined high performance blower wheel

Sound Level: 70 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 53" x 23" x 31"

Weight: 440 lbs.

Filter Cartridge: (1) VB-14D26-13-SF

Filter Media Area: 256 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Lift-out Dust Tray

Spark Arrestance: (1) Metal Mesh Screen MM-20242

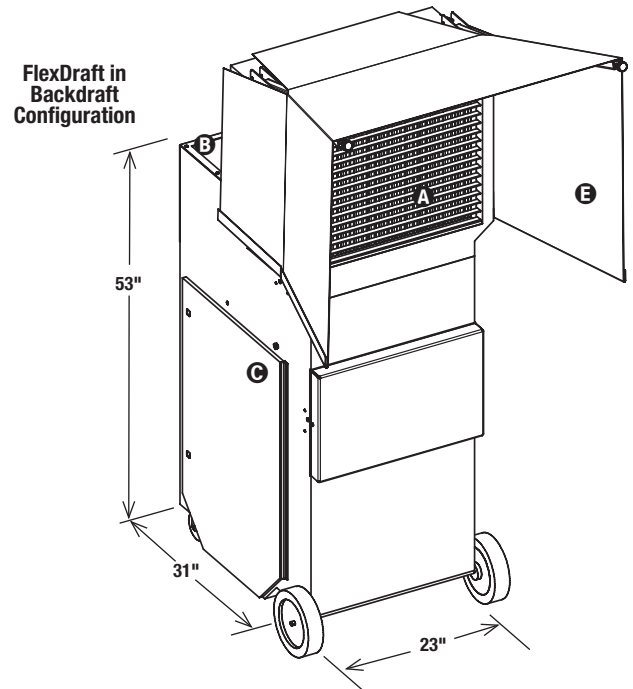
Configuration: (1) FlexDraft Attachment (Backdraft or Downdraft)

Options:

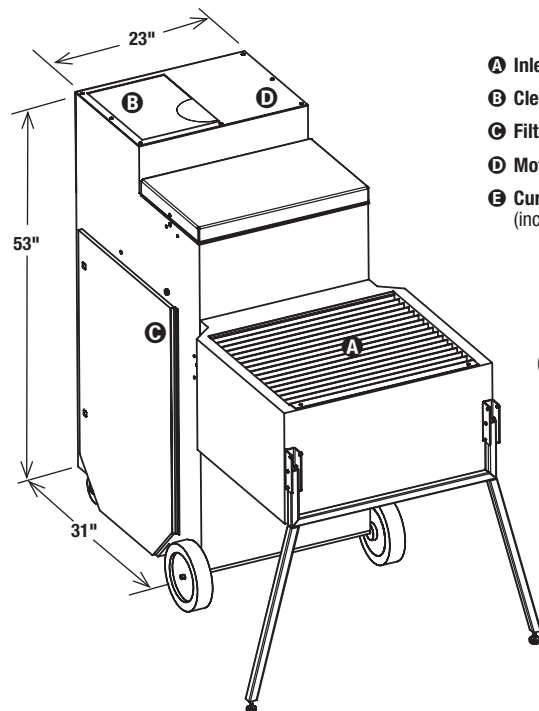
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120 (required for attachment)
- HEPA Replacement Filter: HP-S120-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- A Inlet Area
- B Clean Air Exhaust
- C Filter Access Door
- D Motor/Blower Access
- E Curtain Sides (increase smoke capture area)



FlexDraft in Downdraft Configuration

MODEL

S130



Maximum filter life will be achieved with this product when one welder is welding up to 10 pounds of weld wire per week



Capacity: 150 CFM Max, 110 in.W.G. Max

Motor: 2.3 HP (1700 Watts), Direct Drive, 1500+ hr. Duty

Voltage: Single phase, 120V, 50/60Hz

Full Load Amps: 15.1

Blower: Single Stage Tapered 8.4" dia. Tangential Discharge Blower

Sound Level: 75 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 18" x 16" x 14"

Weight: 50 lbs.

Filter Cartridge: (1) VB-10D12-13

Filter Media Area: 37 sq.ft.

Filter Type: Nanofiber MERV13

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: (1) Metal Mesh Screen MM-12121

Configuration: (1) 2" Flex Hose, 15'

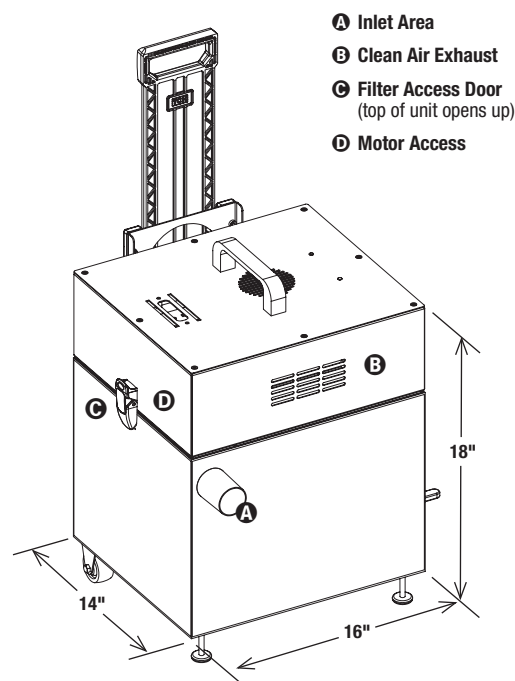
Filter Cleaning: Ball-Valve Activated Pulse Cleaning, 1/4" NPT Compressed Air Connection

Optional Features & Accessories:

- Weld Current Sensor & Timer Module — VB-CST-2
- Intake Attachment Options:
 - Flared Cone 7" H x 10" W — FC-VB
 - Slotted Hood 15" L — ST-VB
 - 2" Pipe with magnetic base — GNT-VB
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service

Warranty:

Visit ventboss.com/terms for full warranty details.



MODEL

S210



Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week or grinding small weldments



Capacity: 1280 CFM @ 4 in.W.G.

Motor: 0.75 HP, Direct Drive

Voltage: Single phase, 110V, 60Hz

Full Load Amps: 13.8

Blower: Reverse inclined high performance blower wheel

Sound Level: 67 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 52" x 37" x 29"

Weight: 420 lbs.

Filter Cartridge: (1) VB-22D14-13-C

Filter Media Area: 217 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
Triple Layer, (1) FB-24242, (2) MM-24242

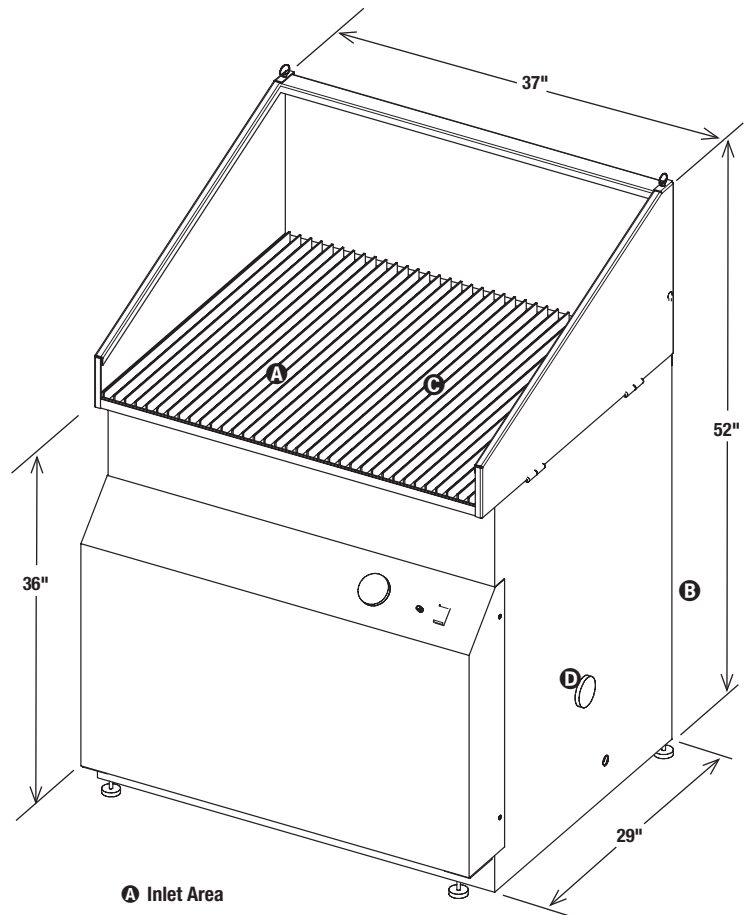
Configuration: Table Size: 36 x 36in, 1 x 1/8 Bar Grating, 300lb. Load capacity

Options:

- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Replacement Filter: HP-S211-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust (on back)
- C** Filter & Spark Arrestance Access
- D** Particulate Clean-Out

MODEL S211



Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.



Capacity: 2560 CFM @ 4 in.W.G.

Motor: 1.5 HP, Direct Drive

Voltage: Single Phase, 110V 60Hz

Full Load Amps: 20.0 (110V)

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 52" x 61" x 29"

Weight: 700 lbs.

Filter Cartridge: (2) VB-18D12-13-C

Filter Media Area: 304 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
Triple Layer, (2) FB-24242, (4) MM-24242

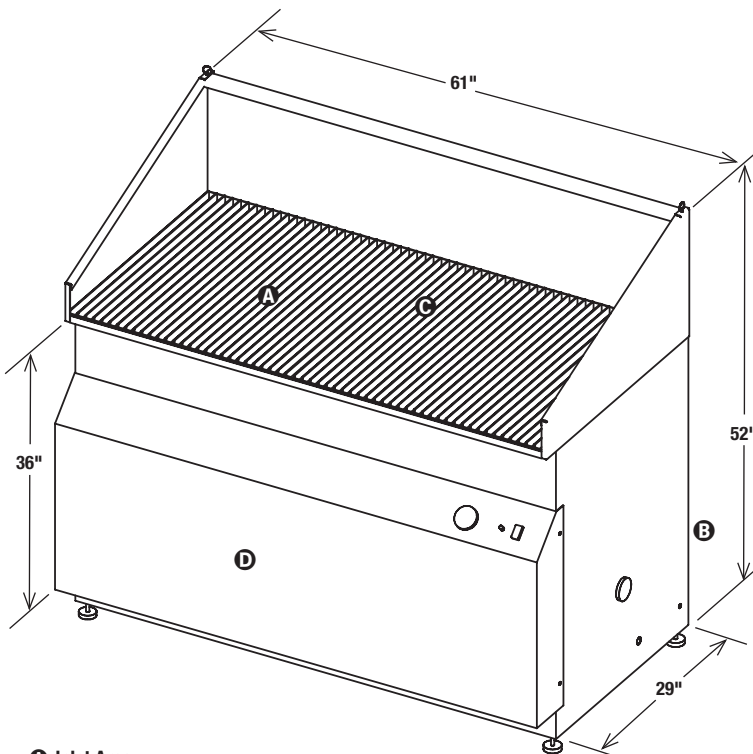
Configuration: Table Size: 60 x 36in, 1 x 1/8 Bar Grating, 630lb. Load capacity

Options:

- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A Inlet Area**
- B Clean Air Exhaust (on back)**
- C Filter & Spark Arrestance Access**
- D Particulate Clean-Out**

MODEL

S212



Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.



Capacity: 2560 CFM @ 4 in.W.G.

Motor: 1.5 HP, Direct Drive

Voltage: Single Phase, 110V 60Hz

Full Load Amps: 20.0 (110V)

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihielic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 52" x 61" x 29"

Weight: 700 lbs.

Filter Cartridge: (2) VB-18D12-13-C

Filter Media Area: 304 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
Triple Layer, (2) FB-24242, (4) MM-24242

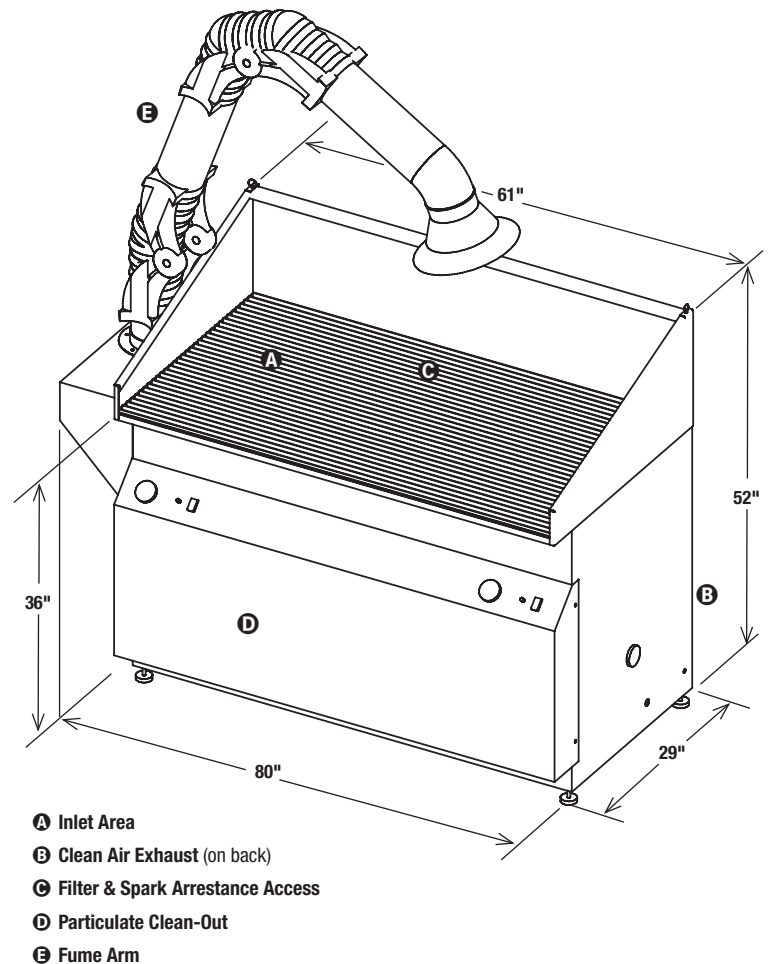
Configuration: Table Size: 60 x 36in, 1 x 1/8 Bar Grating: 6" dia. x 7' long fume arm; 630lb. Load capacity

Options:

- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



MODEL

S220



Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week, great for educational facilities as they can sit back to back and side to side



Capacity: 2000 CFM @ 3.5 in.W.G.

Motor: 2 HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 89" x 48" x 68"

Weight: 700 lbs.

Filter Cartridge: (1) VB-22D12-13-C

Filter Media Area: 217 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: One Layer, (1) MM-17402

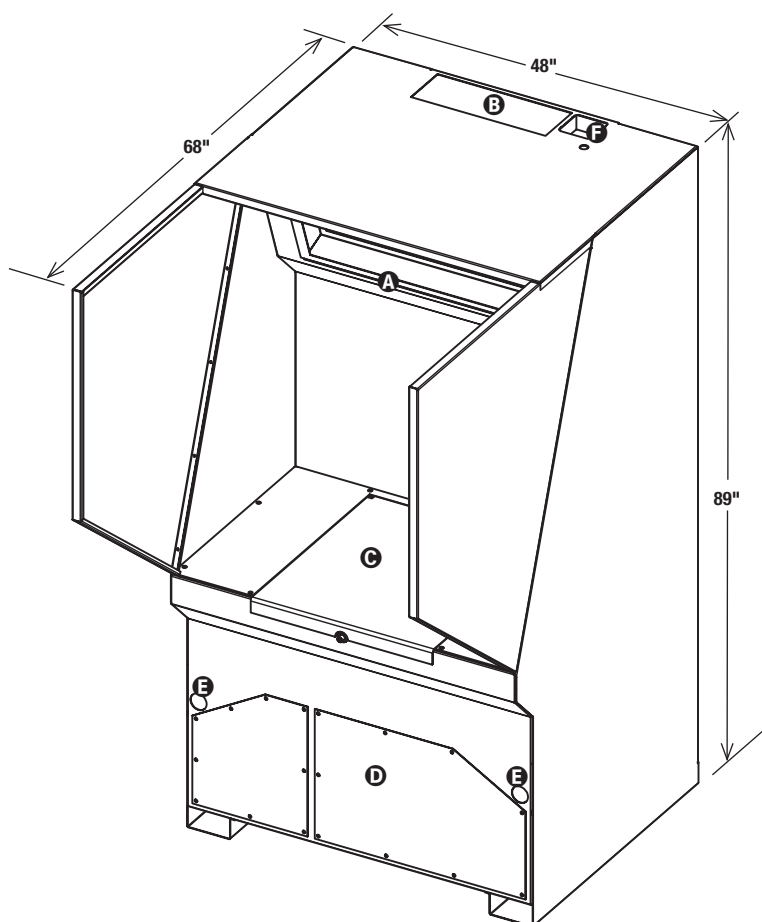
Configuration: Table Size: 30"D x 48"W

Options:

- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- Curtain Kit — VB-CRT
Weld flash curtain kit includes: curtain, hang bar and brackets
- Light Kit — VB-LK
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access
- D** Motor
- E** Particulate Clean-Out
- F** Electrical/Air Hookup

MODEL

S230



Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week, great for educational facilities as they can sit back to back and side to side



Capacity: 2000 CFM @ 3.5 in.W.G.

Motor: 2 HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 89" x 60" x 72"

Weight: 700 lbs.

Filter Cartridge: (1) VB-22D14-13-C

Filter Media Area: 217 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: One Layer, (1) MM-17402

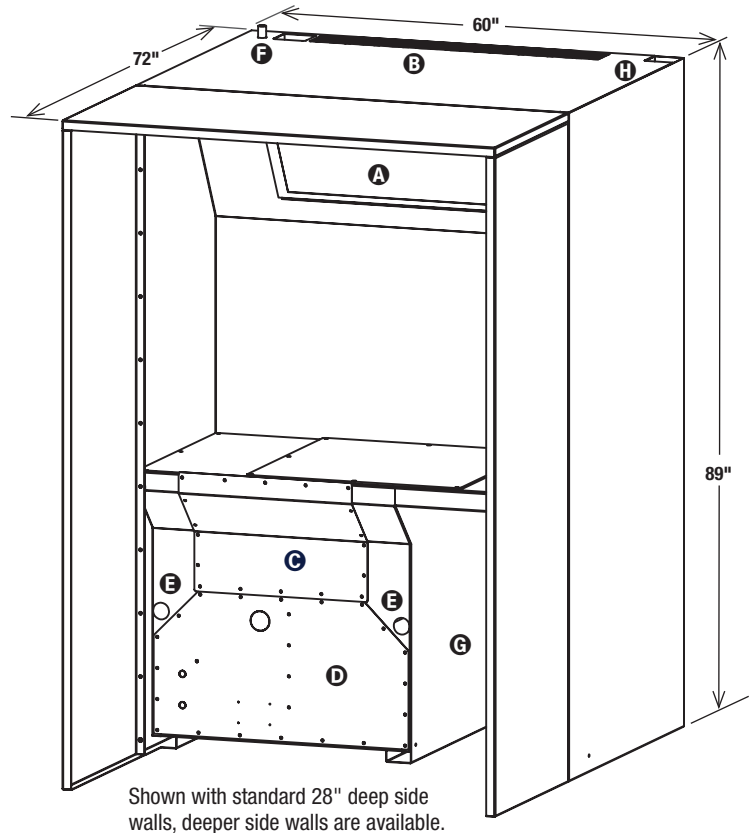
Configuration: Table Size: 30"D x 60"W

Options:

- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- Curtain Kit — VB-CRT
Weld flash curtain kit includes: curtain, hang bar and brackets
- Light Kit — VB-LK
- 110V Plug & 480V Connection for Welder — PL-110V-480V
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



MODEL S310



Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 70" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
(1) FB-24242, (1) MM-24242

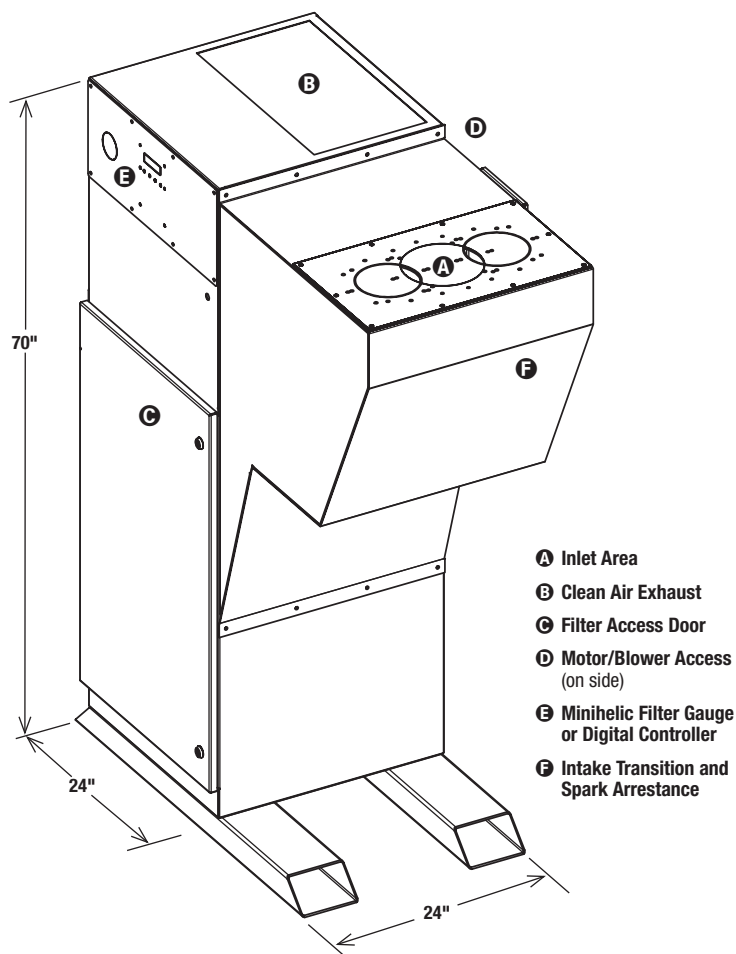
Configuration:
FloorMount with Intake Boot and Spark Arrestance

Options:

- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



MODEL

S311/S312



Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 70" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

(1) FB-24242, (1) MM-24242

Configurations:

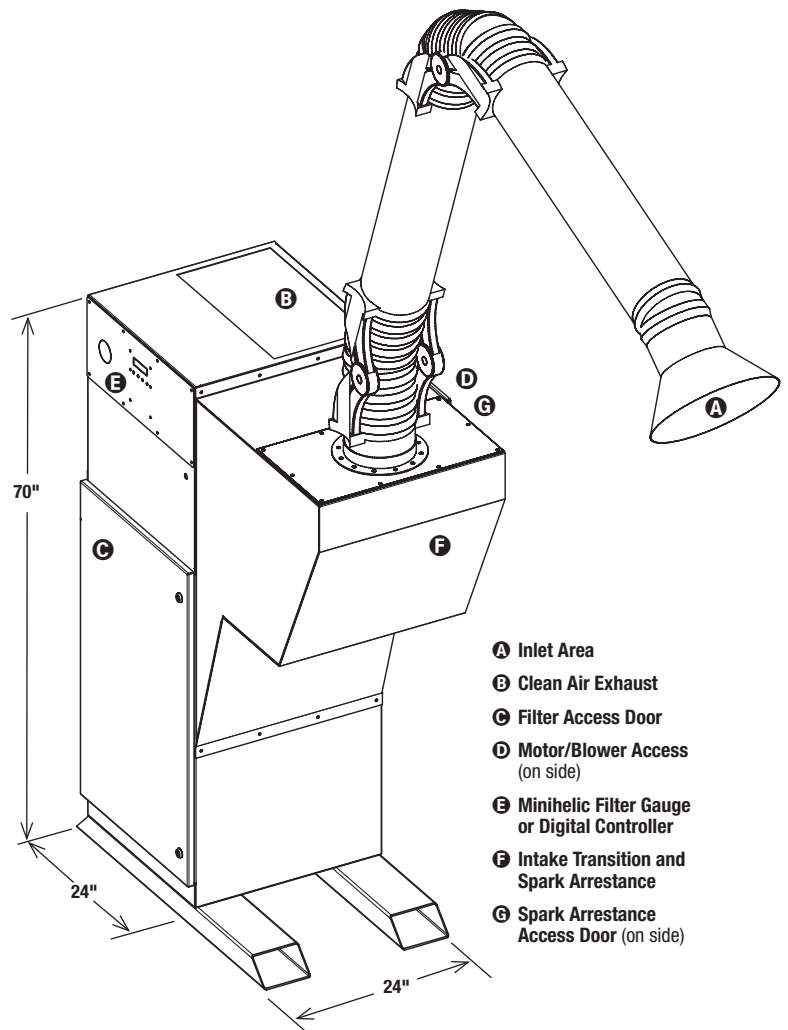
- **S311:** FloorMount with (1) 8" x 10' FumeArm
- **S312:** FloorMount with (1) 8" x 14' FumeArm

Options:

- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



MODEL

S313/S314



Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 70" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

(1) FB-24242, (1) MM-24242

Configurations:

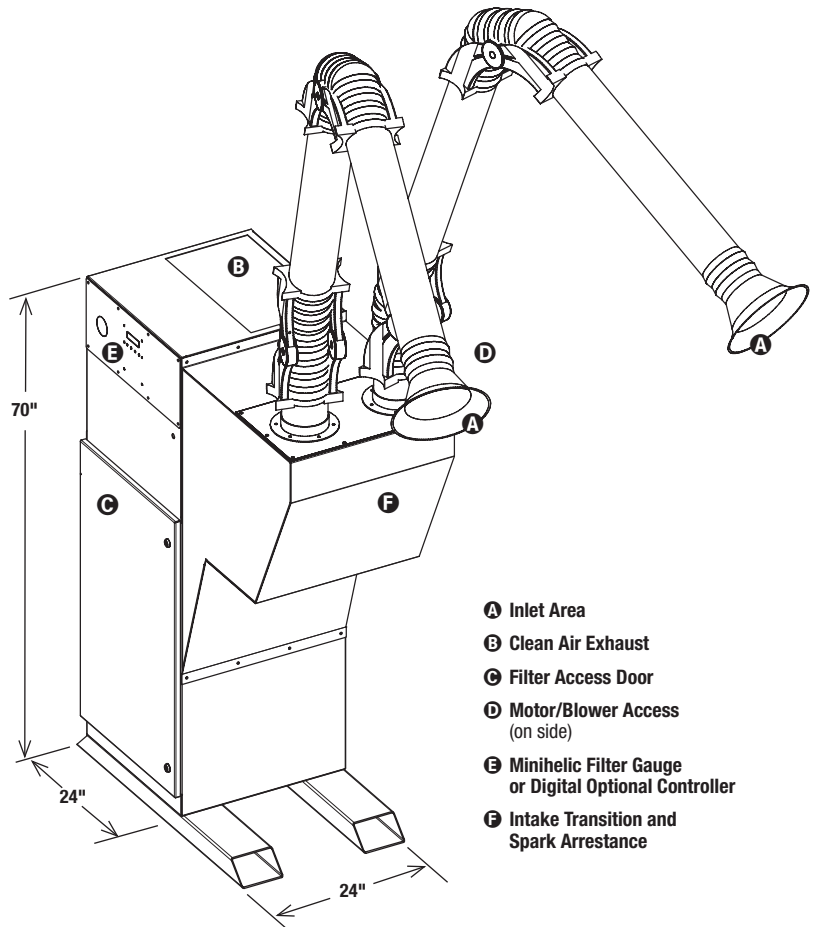
- S313: FloorMount with (2) 6" x 10' FumeArms
- S314: FloorMount with (2) 6" x 14' FumeArms

Options:

- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access (on side)
- E** Minihelic Filter Gauge or Digital Optional Controller
- F** Intake Transition and Spark Arrestance

MODEL

S315



Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 67" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
(1) FB-24242, (1) MM-24242

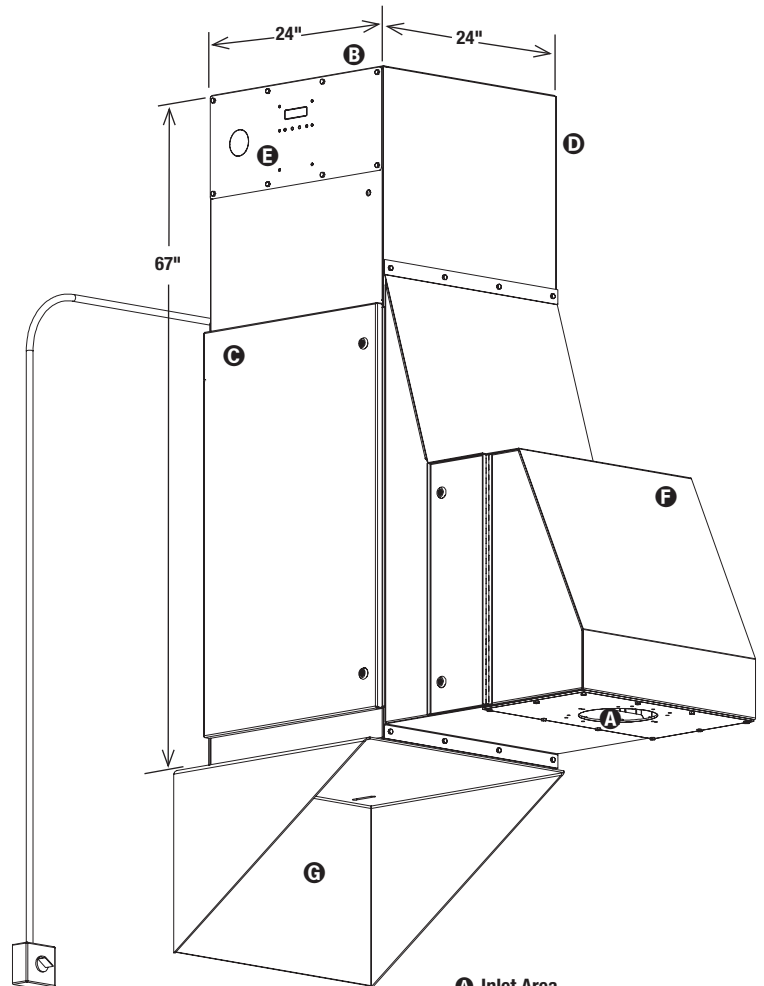
Configuration:
FloorSaver with Intake Boot and Spark Arrestance

Options:

- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access
(on side)
- E** Minihelic Filter Gauge
or Optional Digital Controller
- F** Intake Transition and
Spark Arrestance
- G** Wall Bracket Kit
(optional)

MODEL

S316/S317



Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 67" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

(1) FB-24242, (1) MM-24242

Configurations:

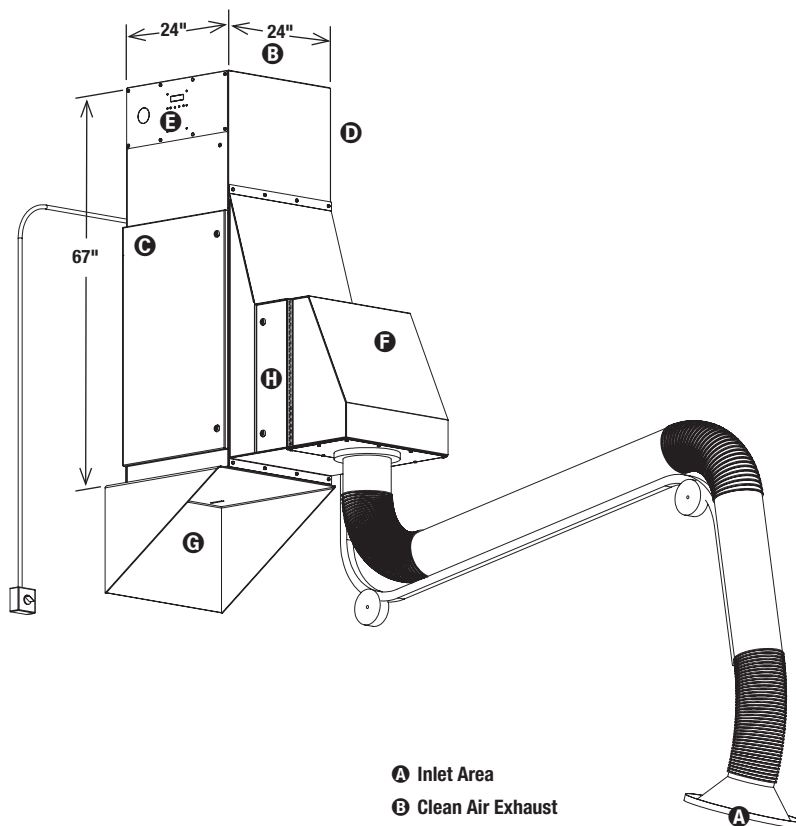
- **S316:** FloorSaver with (1) 8" x 10' FumeArm
- **S317:** FloorSaver with (1) 8" x 14' FumeArm

Options:

- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access (on side)
- E** Minihelic Filter Gauge or Optional Digital Controller
- F** Intake Transition and Spark Arrestance
- G** Wall Bracket Kit (optional)
- H** Spark Arrestance Access Door

MODEL

S318/S319



Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 67" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

(1) FB-24242, (1) MM-24242

Configurations:

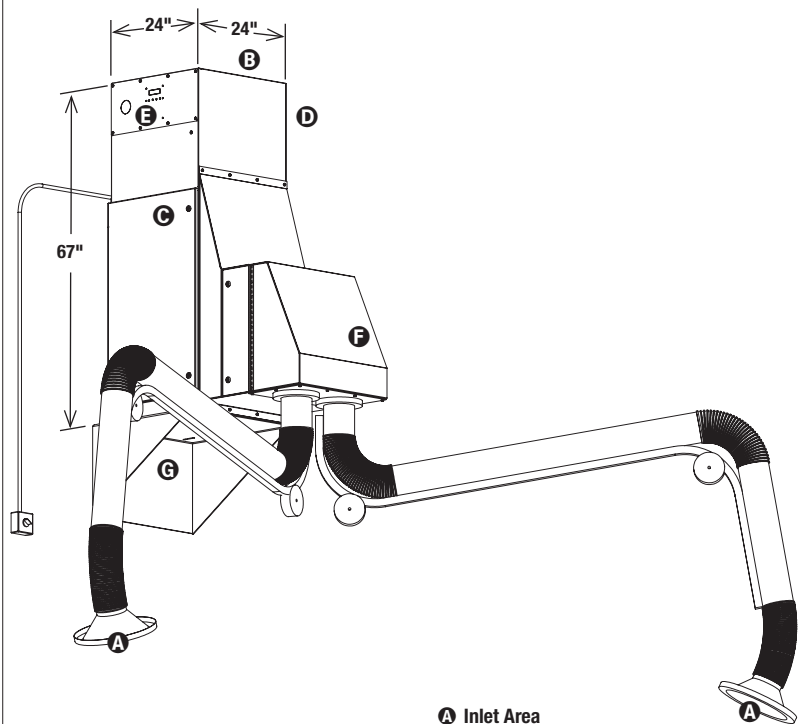
- **S318:** FloorSaver with (2) 6" x 10' FumeArms
- **S319:** FloorSaver with (2) 6" x 14' FumeArm

Options:

- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
24"W x 25"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Inlet Area
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access
(on side)
- E** Minihelic Filter Gauge
or Optional Digital Controller
- F** Intake Transition and
Spark Arrestance
- G** Wall Bracket Kit
(optional)

MODEL

S320



Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 70" x 24" x 42"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

Two Layer, (1) FB-24242, (1) MM-24242

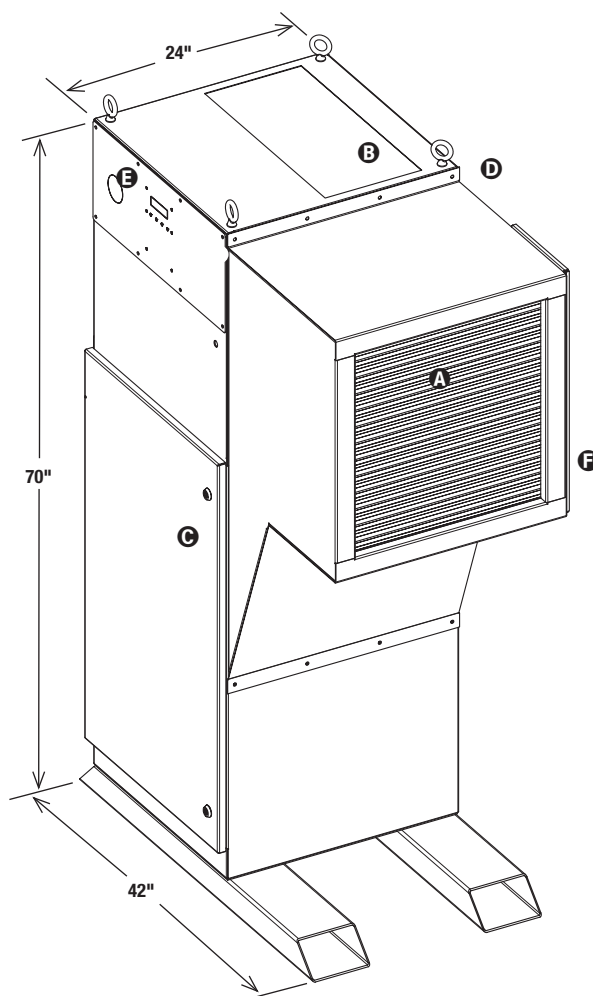
Configuration: 2' x 2' Opening, Spark Arrestance Intake

Options:

- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- A** Spark Arrestance Intake
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor/Blower Access
(on back)
- E** Minihelic Filter Gauge or
Optional Digital Controller
- F** Spark Arrestance Access Door
(on side)

MODEL

S321



Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 67" x 24" x 44"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 355 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:
Two Layer, (1) FB-24242, (1) MM-24242

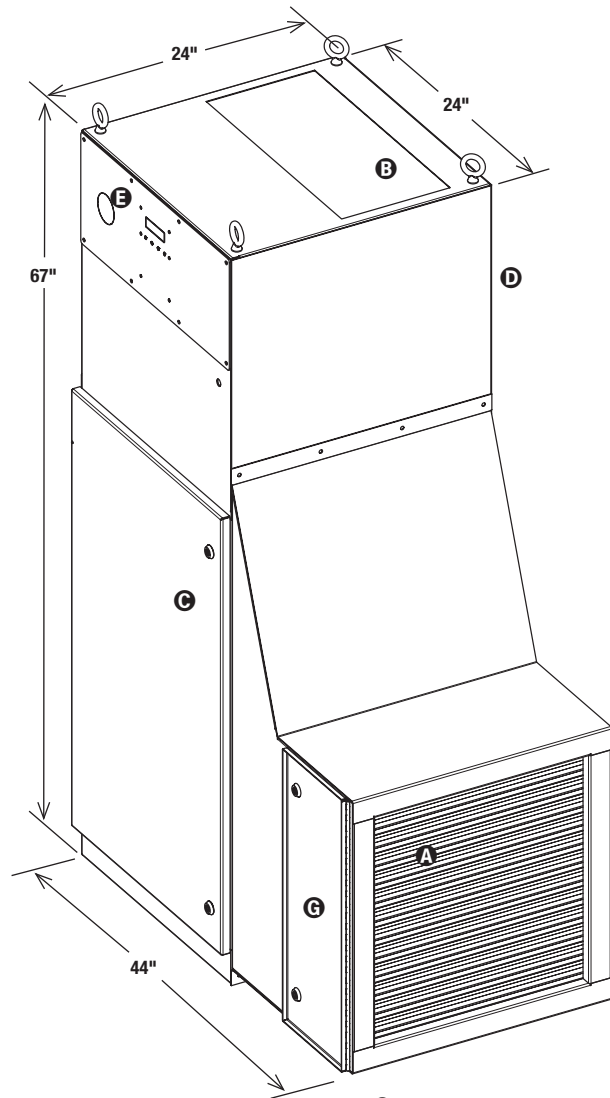
Configuration: BackDraft, 2' x 2' Opening

Options:

- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- Ⓐ Spark Arrestance Intake
- Ⓑ Clean Air Exhaust
- Ⓒ Filter Access Door
- Ⓓ Motor/Blower Access
(on back)
- Ⓔ Minihelic Filter Gauge
or Optional Digital Controller
- Ⓕ Wall Bracket Kit
(not shown)
- Ⓖ Spark Arrestance Access Door

MODEL

S350



Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.



Capacity: 1500 CFM @ 4.5 in.W.G.

Motor: 2HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 3.4

Blower: Reverse inclined high performance blower wheel

Sound Level: 72 dBA

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: Manual on/off switch, Minihelic Filter Condition Gauge

Cabinet Dimensions (HxLxD): 67" x 24" x 24"

Weight: 370 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 430 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance:

Triple Layer, (1) FB-24242, (2) MM-24242

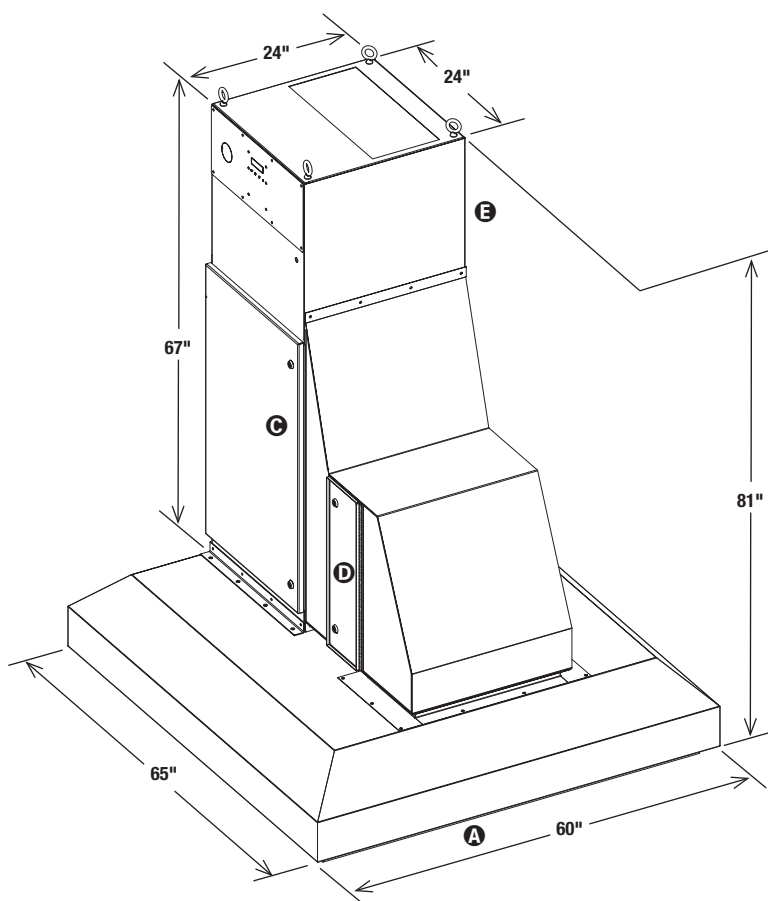
Configuration: Canopy - 60"W x 65"D

Options:

- Wall Bracket Kit — S350-WK-CP
- Weld Curtain — WC-40-0606
- Silencer — AP-S300
24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- Ⓐ Inlet Area
- Ⓑ Clean Air Exhaust
- Ⓒ Filter Access Door
- Ⓓ Spark Arrestance Access
- Ⓔ Motor Access (on side)

MODEL

S410

MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S410	1.7 :1	1500	3.0	4.8
S410	2.2 :1	1950	5.0	7.6
S410	3.3 :1	2850	7.5	11.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 30" x 45" not including the Motor

Weight: 1300-1490 lbs.

Filter Cartridge: (2) VB-14D44-13-SF

Filter Media Area: 868 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
3/4" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

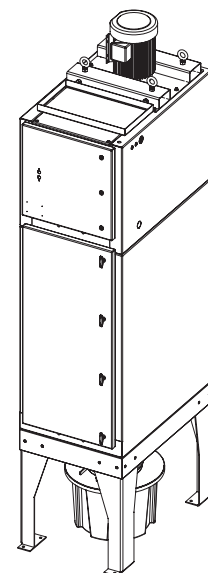
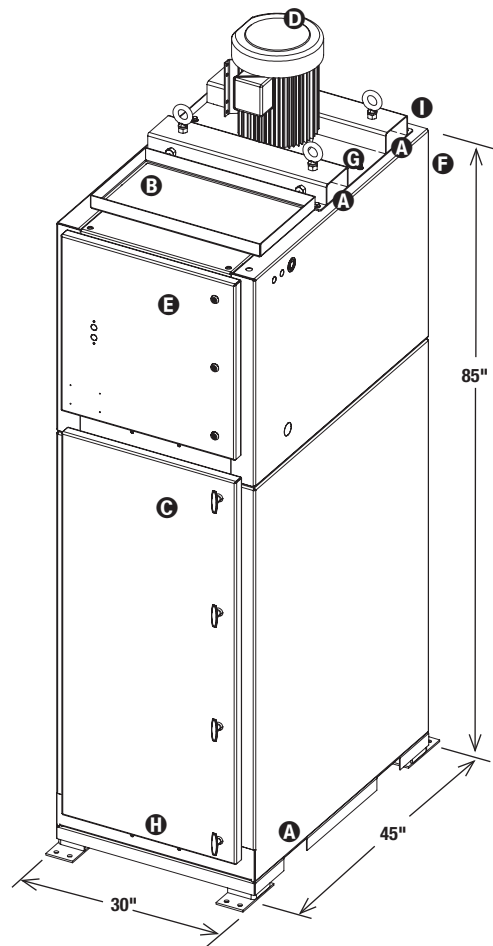
Configuration: Stand Alone Collector

Options:

- Hopper & Short Drum (20 Gal. capacity)
— HSD-S410-2 Adds 33" to height
- Acoustic Silencing in Motor Area (recommended)
— S410-2-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S410-2
- VFD - Energy Savings — Contact Customer Service

Warranty:

Visit ventboss.com/terms for full warranty details.



Optional Hopper
& 20 Gallon Drum

MODEL

S411

MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S411	1.5 :1	1950	5.0	7.6
S411	2.2 :1	2850	7.5	11.0
S411	3.1 :1	4100	7.5	11.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 30" x 61" not including the motor

Weight: 1300-1640 lbs. (depending on options)

Filter Cartridge: (3) VB-14D44-13-SF

Filter Media Area: 1,302 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
3/4" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

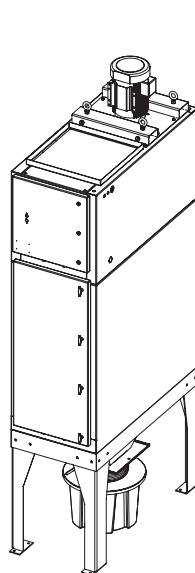
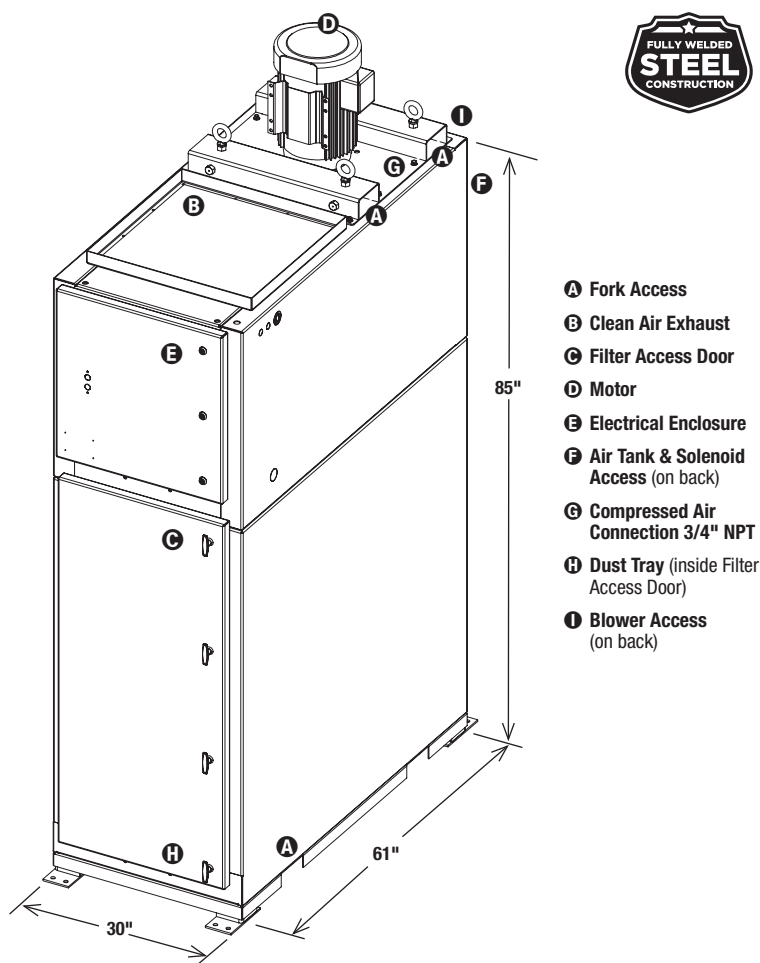
Configuration: Stand Alone Collector

Options:

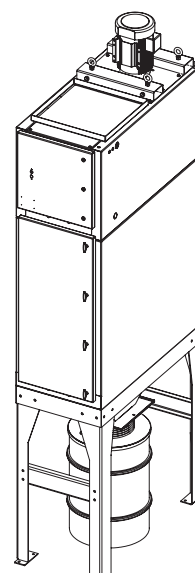
- Hopper & Short Drum (20 Gal. capacity)
— HSD-S411-3 Adds 41" to height
- Hopper & Long Legs (55 Gal. capacity)
— HLL-S411-3 Adds 61" to height
- Acoustic Silencing in Motor Area (recommended)
— S411-3-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S411-3
- VFD - Energy Savings — Contact Customer Service

Warranty:

Visit ventboss.com/terms for full warranty details.



**Optional Hopper
& 20 Gallon Drum**



**Optional Hopper
& 55 Gallon Drum**

MODEL

S412



MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S412	1.6 :1	2850	7.5	11.0
S412	2.4 :1	4100	7.5	11.0
S412	3.2 :1	5600	10.0	14.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 30" x 77" not including the Motor

Weight: 1750-1810 lbs. (Depending on Options)

Filter Cartridge: (4) VB-14D44-13-SF

Filter Media Area: 1,736 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
3/4" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

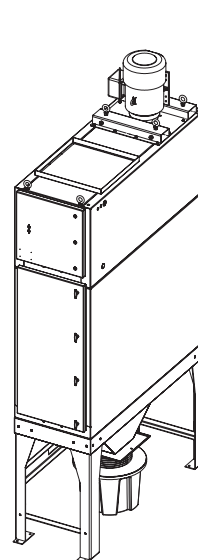
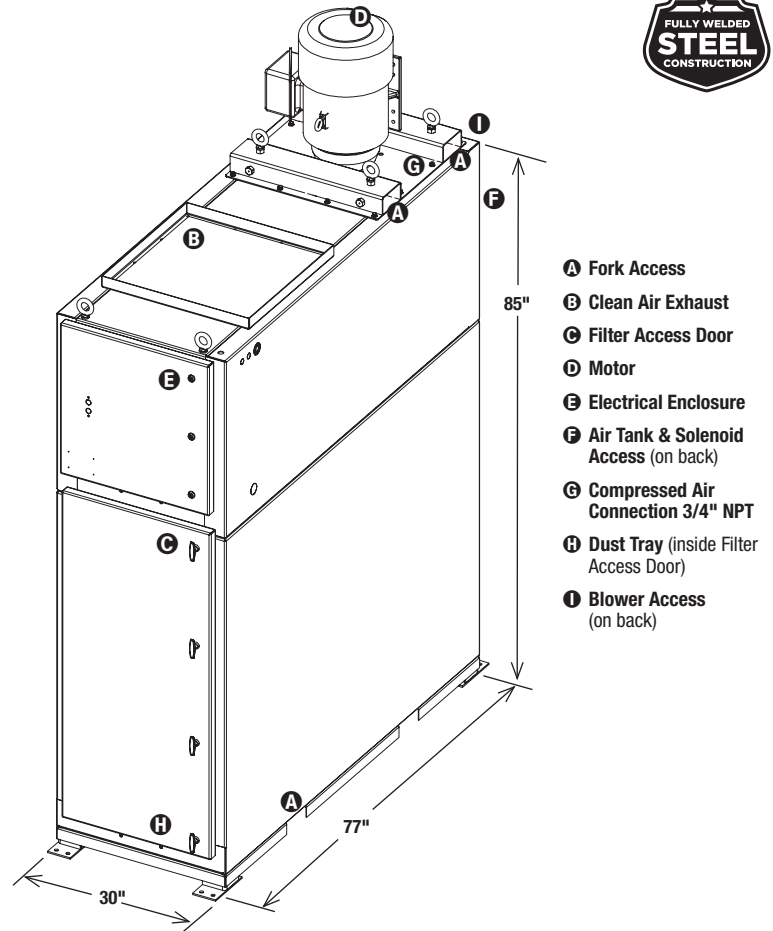
Configuration: Stand Alone Collector

Options:

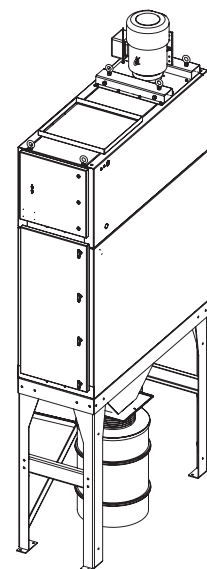
- Hopper & Short Drum (20 Gal. capacity)
— HSD-S412-4 Adds 48" to height
- Hopper & Long Legs (55 Gal. capacity)
— HLL-S412-4 Adds 67" to height
- Acoustic Silencing in Motor Area (recommended)
— S412-4-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S412-4
- VFD - Energy Savings — Contact Customer Service

Warranty:

Visit ventboss.com/terms for full warranty details.



Optional Hopper
& 20 Gallon Drum



Optional Hopper
& 55 Gallon Drum

MODEL

S413

MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S413	1.6 :1	4100	7.5	11.0
S413	2.2 :1	5600	10.0	14.0
S413	3.1 :1	8000	20.0	27.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 49" x 61" not including the Motor

Weight: 2320-2910 lbs. (Depending on Options)

Filter Cartridge: (6) VB-14D44-13-SF

Filter Media Area: 2,604 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
1" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

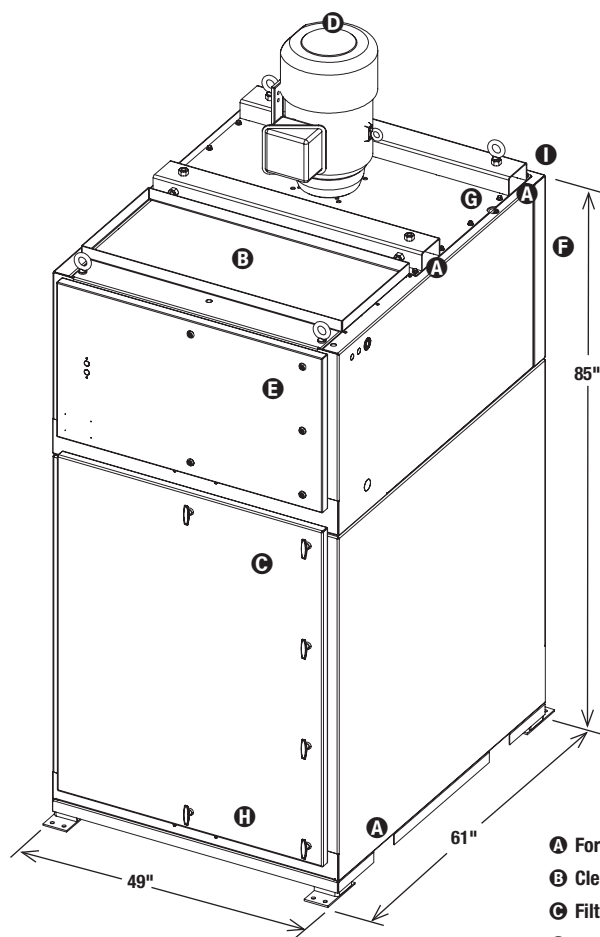
Configuration: Stand Alone Collector

Options:

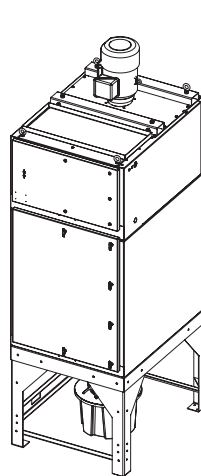
- Hopper & Short Drum (20 Gal. capacity)
— HSD-S413-6 Adds 40" to height
- Hopper & Long Legs (55 Gal. capacity)
— HLL-S413-6 Adds 59" to height
- Acoustic Silencing in Motor Area (recommended)
— S413-6-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S413-6
- VFD - Energy Savings — Contact Customer Service

Warranty:

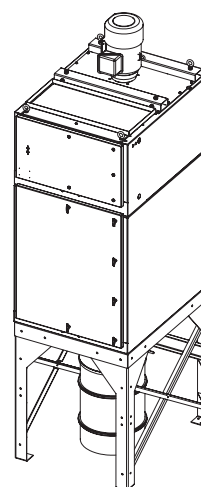
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- Ⓐ Fork Access
- Ⓑ Clean Air Exhaust
- Ⓒ Filter Access Door
- Ⓓ Motor
- Ⓔ Electrical Enclosure
- Ⓕ Air Tank & Solenoid Access (on back)
- Ⓖ Compressed Air Connection 1" NPT
- Ⓗ Dust Tray (inside Filter Access Door)
- Ⓘ Blower Access (on back)



**Optional Hopper
& 20 Gallon Drum**



**Optional Hopper
& 55 Gallon Drum**

MODEL

S414

MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S414	1.6 :1	5600	10.0	14.0
S414	2.3 :1	8000	20.0	27.0
S414	2.9 :1	10200	25.0	34.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 49" x 77" not including the Motor

Weight: 3010-4630 lbs. (Depending on Options)

Filter Cartridge: (8) VB-14D44-13-SF

Filter Media Area: 3,472 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
1" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

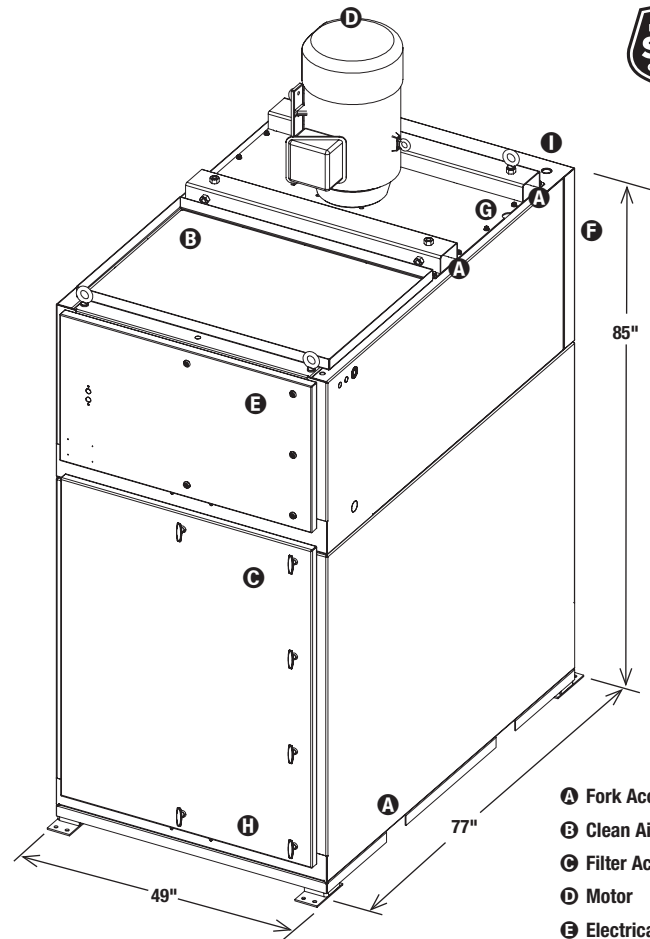
Configuration: Stand Alone Collector

Options:

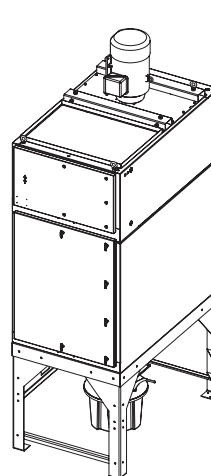
- Hopper & Short Drum (20 Gal. capacity)
— HSD-S414-8 Adds 48" to height
- Hopper & Long Legs (55 Gal. capacity)
— HLL-S414-8 Adds 67" to height
- Acoustic Silencing in Motor Area (recommended)
— S414-8-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S414-8
- VFD - Energy Savings — Contact Customer Service

Warranty:

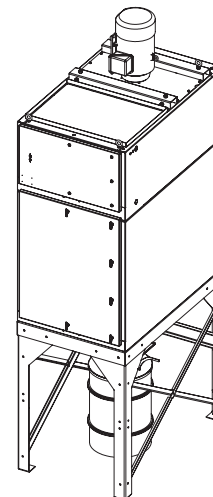
Visit ventboss.com/terms for full warranty details.



- A** Fork Access
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor
- E** Electrical Enclosure
- F** Air Tank & Solenoid Access (on back)
- G** Compressed Air Connection 1" NPT
- H** Dust Tray (inside Filter Access Door)
- I** Blower Access (on back)



**Optional Hopper
& 20 Gallon Drum**



**Optional Hopper
& 55 Gallon Drum**

MODEL

S415

MODEL	A:C RATIO	CFM @ 8" WG	MOTOR (HP)	FULL LOAD AMPS
S415	1.8 :1	8000	20.0	27.0
S415	2.4 :1	10200	25.0	34.0
S415	3.2 :1	14000	40.0	52.0

Voltage: 3 Phase, 480V, 60Hz

Blower: Reverse inclined high performance blower wheel

Silencing: Optional

Controls: ePad Digital Controls

Cabinet Dimensions (HxLxD):

85" x 49" x 92" not including the Motor

Weight: 3690-4310 lbs. (Depending on Options)

Filter Cartridge: (10) VB-14D44-13-SF

Filter Media Area: 4,340 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
1" NPT compressed air connection

Air Monitor: Included

Dust Containment: Dust Tray

Spark Arrestance: Optional

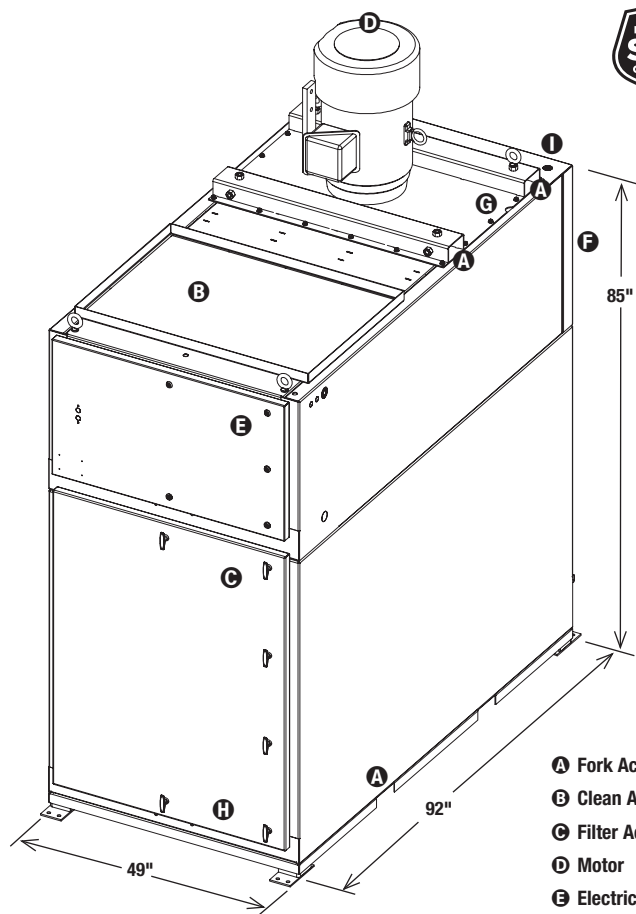
Configuration: Stand Alone Collector

Options:

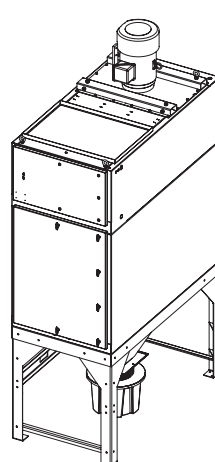
- Hopper & Short Drum (20 Gal. capacity)
— HSD-S415-10 Adds 55" to height
- Hopper & Long Legs (55 Gal. capacity)
— HLL-S415-10 Adds 74" to height
- Acoustic Silencing in Motor Area (recommended)
— S415-10-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
— VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
(required for outdoor installation) — AFP-S415-10
- VFD - Energy Savings — Contact Customer Service

Warranty:

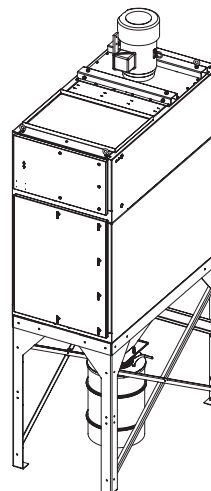
Visit ventboss.com/terms for full warranty details.



- A** Fork Access
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor
- E** Electrical Enclosure
- F** Air Tank & Solenoid Access (on back)
- G** Compressed Air Connection 1" NPT
- H** Dust Tray (inside Filter Access Door)
- I** Blower Access (on back)



**Optional Hopper
& 20 Gallon Drum**



**Optional Hopper
& 55 Gallon Drum**

MODEL

S610/S620



30,000



This product can cover up to 30,000 cubic feet of space and up to 180 pounds of weld wire per week



Capacity: 4000 CFM @ 5 in.W.G.

Motor: 5HP, Direct Drive

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 7.6

Blower: Reverse inclined high performance blower wheel

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: eTech Digital Controls

Cabinet Dimensions (HxLxD):

- **S610:** 142" x 41" x 41"
- **S620:** 123" x 41" x 41"

Weight: 1200 lbs.

Filter Cartridge: (2) VB-22D36-13

Filter Media Area: 1116 sq. ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4"NPT compressed air connection

Dust Containment:

- **S610:** 20 Gallon Drum
- **S620:** Dust Tray

Spark Arrestance: One Layer, (4) - FB-24242

Configurations:

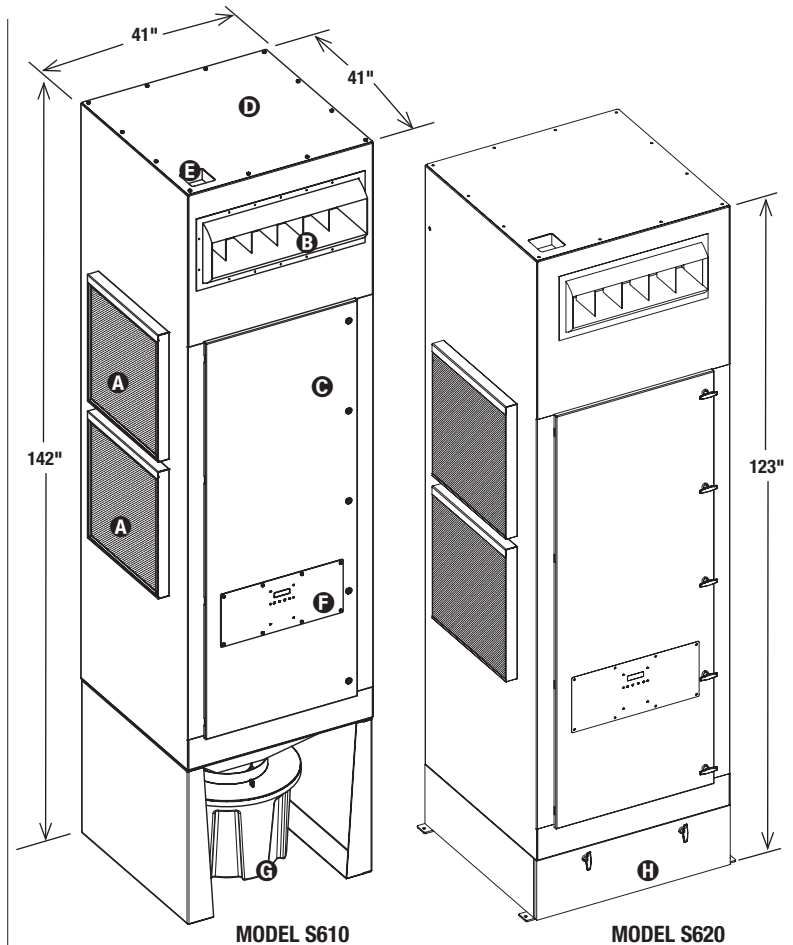
- **S610:** With Hopper and Short Drum
- **S620:** With Dust Tray

Options:

- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



- Ⓐ Inlet Area & Spark Arrestance
- Ⓑ Directional Outlet Louver
- Ⓒ Filter Access
- Ⓓ Motor and Blower
- Ⓔ Electrical Hookup
- Ⓕ Digital Controller
- Ⓖ Hopper and 20 Gallon Drum
- Ⓗ Dust Tray

MODEL

S710



Maximum filter life will be achieved with this product when one or two welders are welding up to 25 pounds of weld wire per week.



Capacity: 200 CFM @ 60 in.W.G.

Motor: 2.5HP, 1500+ Hour Blower

Voltage: Single phase, 110V, 60Hz

Full Load Amps: 30

Blower: High-Vacuum
(NOT for continuous duty)

Silencing: Integral Acoustical Plenum with
Low Frequency Dampening

Controls: On/Off Switch

Cabinet Dimensions (HxLxD): 36" x 22" x 35"

Weight: 350 lbs.

Filter Cartridge: (1) VB-18D16-13

Filter Media Area: 203 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: Filter manual blow-out port

Dust Containment: Vacuum / sweep out
filter plenum

Spark Arrestance: (1) Metal Mesh Screen
MM-16202

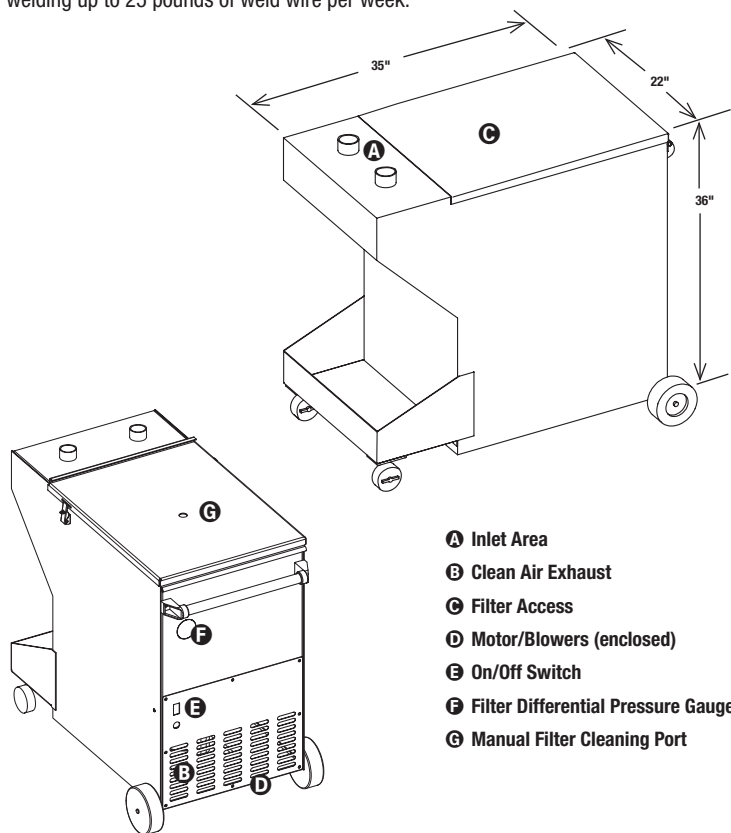
Configuration: (2) 2-inch Hose Ports

Options:

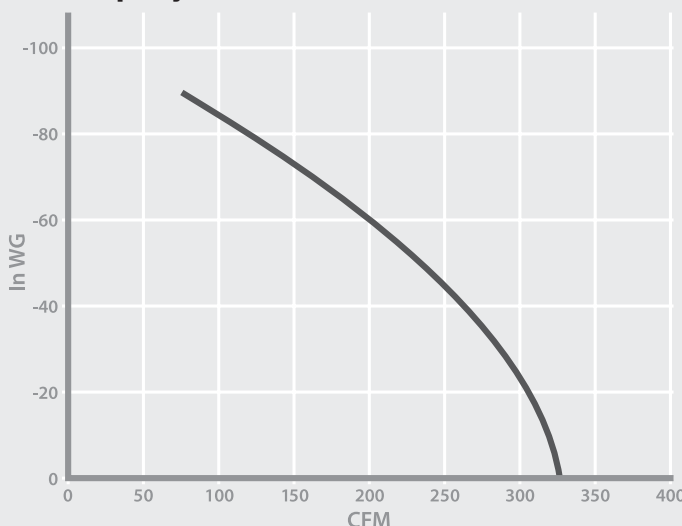
- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
 - Flared Cone 7" x 10" W — FC-VB
 - Slotted Hood 15" L — ST-VB
 - 2" Pipe with Magnetic Base — GNT-VB

Warranty:

Visit ventboss.com/terms for full warranty details.



Airflow Capacity Chart:



MODEL

S720



Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.



Capacity: 175 CFM @ 80 in.W.G.

Motor: 4HP Single Stage Regenerative Hi-Vac Blower

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 7.6

Blower: High-Vacuum Continuous Duty

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: eTech Digital Controls

Cabinet Dimensions (HxLxD): 67" x 30" x 24"

Weight: 485 lbs.

Filter Cartridge: (1) VB-14D26-13-SF

Filter Media Area: 256 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: Optional

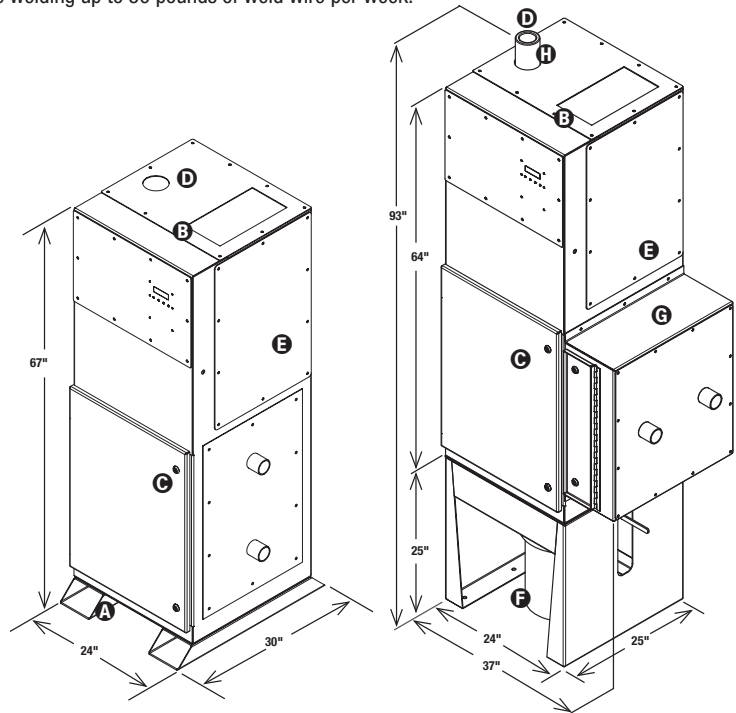
Configuration: (2) 2-inch Hose Ports

Options:

- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
 - Flared Cone 7" x 10" W — FC-VB
 - Slotted Hood 15" L — ST-VB
 - 2" Pipe with Magnetic Base — GNT-VB
- Hopper Short Drum (5 Gallon capacity) — HLL-S720
- Spark Arrestance — SAP-S720
- Additional Silencer — AP-S720
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



Standard Configuration

Shown with all options

A Fork Pockets

B Clean Air Exhaust

C Filter Access Door

D Motor (enclosed)

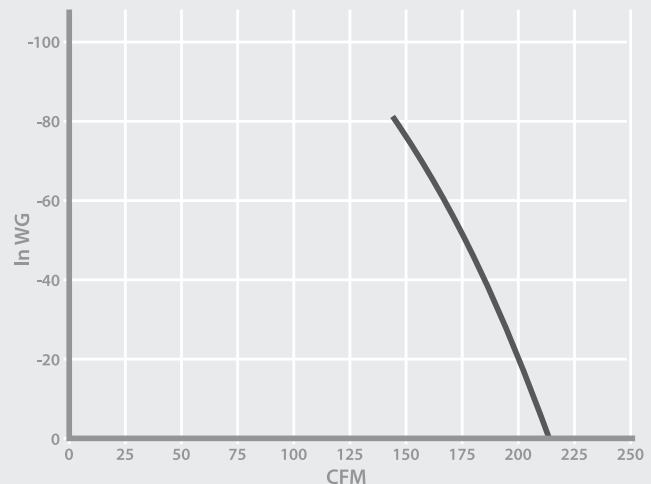
E Compressed Air & Solenoid Access

F Hopper & Short Drum (optional)

G Spark Arrestance (optional)

H Additional Silencer (optional)

Airflow Capacity Chart:



MODEL

S730



Maximum filter life will be achieved with this product when up to four welders are welding up to 100 pounds of weld wire per week.



Capacity: 350 CFM @ 80 in.W.G.

Motor: 10HP Single Stage Regenerative Hi-Vac Blower

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 14.0

Blower: High-Vacuum Continuous Duty

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: eTech Digital Controls

Cabinet Dimensions (HxLxD): 92" x 30" x 29"

Weight: 850 lbs.

Filter Cartridge: (1) VB-14D36-13-SF

Filter Media Area: 354 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: Optional

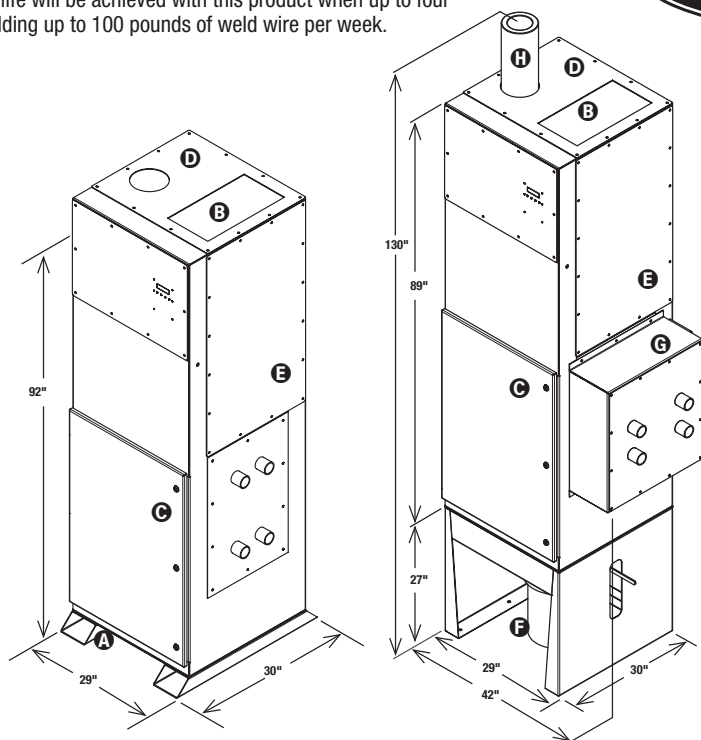
Configuration: (4) 2-inch Hose Ports

Options:

- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
 - Flared Cone 7" x 10" W — FC-VB
 - Slotted Hood 15" L — ST-VB
 - 2" Pipe with Magnetic Base — GNT-VB
- Hopper Short Drum (5 Gallon capacity) — HLL-S730
- Spark Arrestance — SAP-S730
- Additional Silencer — AP-S730
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



Standard Configuration

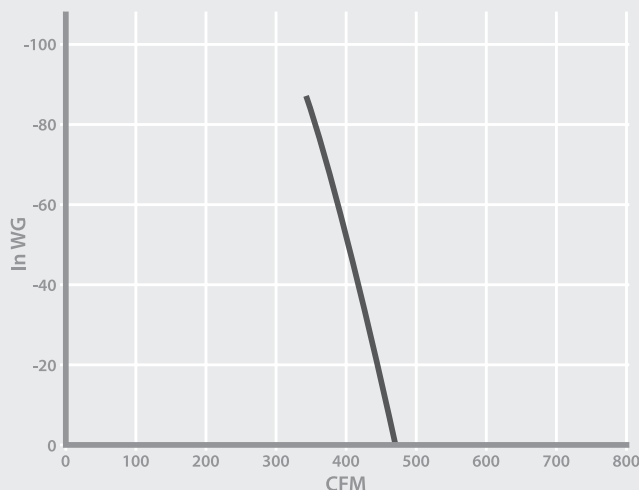
Shown with all options

- A** Fork Pockets
- B** Clean Air Exhaust
- C** Filter Access Door
- D** Motor (enclosed)

- E** Compressed Air & Solenoid Access
- F** Hopper & Short Drum (optional)

- G** Spark Arrestance (optional)
- H** Additional Silencer (optional)

Airflow Capacity Chart:



MODEL

S740



Maximum filter life will be achieved with this product when up to six welders are welding up to 150 pounds of weld wire per week.



Capacity: 550 CFM @ 80 in.W.G.

Motor: 15HP Single Stage Regenerative Hi-Vac Blower

Voltage: 3 Phase, 480V, 60Hz

Full Load Amps: 21.0

Blower: High-Vacuum Continuous Duty

Silencing: Integral Acoustical Plenum with Low Frequency Dampening

Controls: eTech Digital Controls

Cabinet Dimensions (HxLxD): 92" x 45" x 30"

Weight: 1140 lbs.

Filter Cartridge: (2) VB-14D36-13-SF

Filter Media Area: 708 sq.ft.

Filter Type: Nanofiber MERV13

Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4"NPT compressed air connection

Dust Containment: Vacuum / sweep out filter plenum

Spark Arrestance: Optional

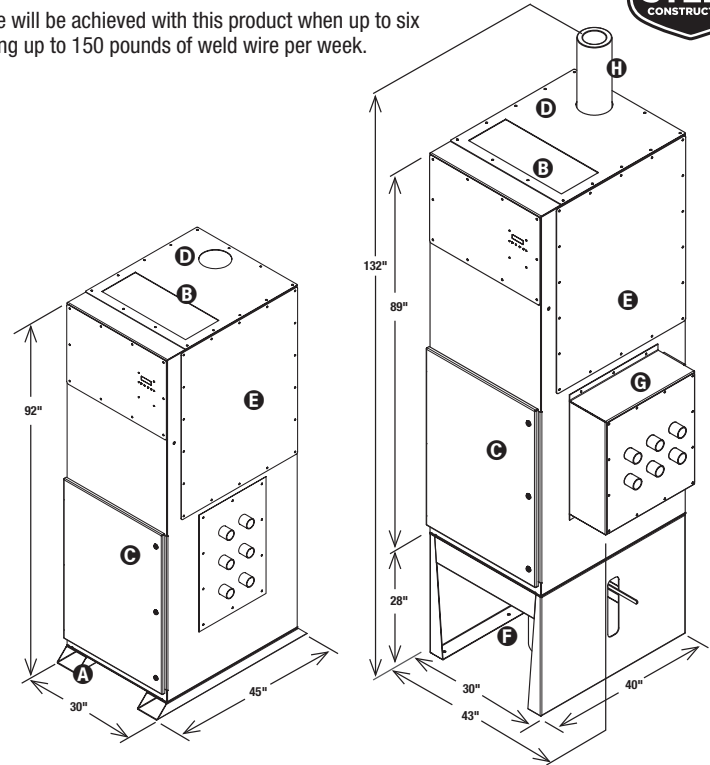
Configuration: (6) 2-inch Hose Ports

Options:

- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
 - Flared Cone 7" x 10" W — FC-VB
 - Slotted Hood 15" L — ST-VB
 - 2" Pipe with Magnetic Base — GNT-VB
- Hopper Short Drum (5 Gallon capacity) — HLL-S740
- Spark Arrestance — SAP-S740
- Additional Silencer — AP-S740
- Other Voltages: 230V or 575V

Warranty:

Visit ventboss.com/terms for full warranty details.



Standard Configuration

Shown with all options

A Fork Pockets

B Clean Air Exhaust

C Filter Access Door

D Motor (enclosed)

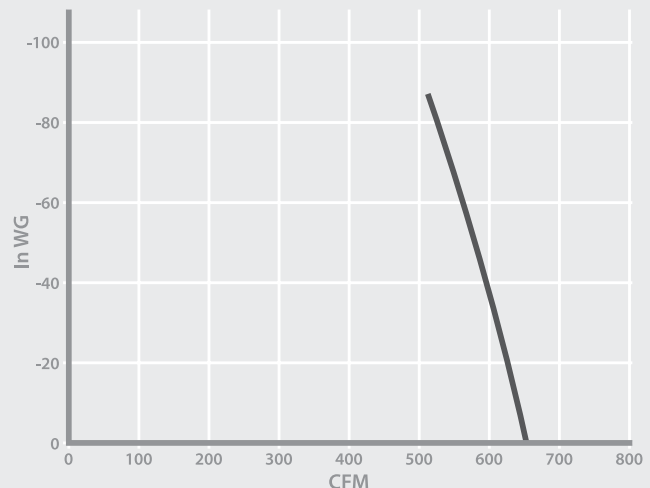
E Compressed Air & Solenoid Access

F Hopper & Short Drum (optional)

G Spark Arrestance (optional)

H Additional Silencer (optional)

Airflow Capacity Chart:



HOOD SYSTEM

HS10 | FASCIA

Perimeter Frame, 120in (10ft) long, trim to size as needed.

HS20 | FASCIA JOINER

36" long, predrilled tek screw holes, connects 2 lengths of Fascia together, for straight sides over 120".

HS30 | CORNER

Connects Fascia pieces at 90°, predrilled tek screw holes.

HS40 | SUPPORT RIB

Spans across cell, 288" (24ft) long, trim to size as needed, screws to Fascia, supports the edges of the Polygal Sheeting.

HS50 | POLYGal SHEETING

Twin Wall translucent polycarbonate sheeting lets plant light through, sheet size 24" x 288", cut to size as required, fastens to Fascia and Support Ribs with tek screws and washers.

HS60 | DUCT CONNECTION

Screws onto PolyGal Sheeting, supported by Fascia and Support Ribs, 33" x 33", suits duct up to 24" diameter, includes spark baffle plate, attached on threaded rod standoffs.

HS70 | HARDWARE KIT

Fastener and hardware kit for assembling hood system.

HS80/90/100 | CURTAIN

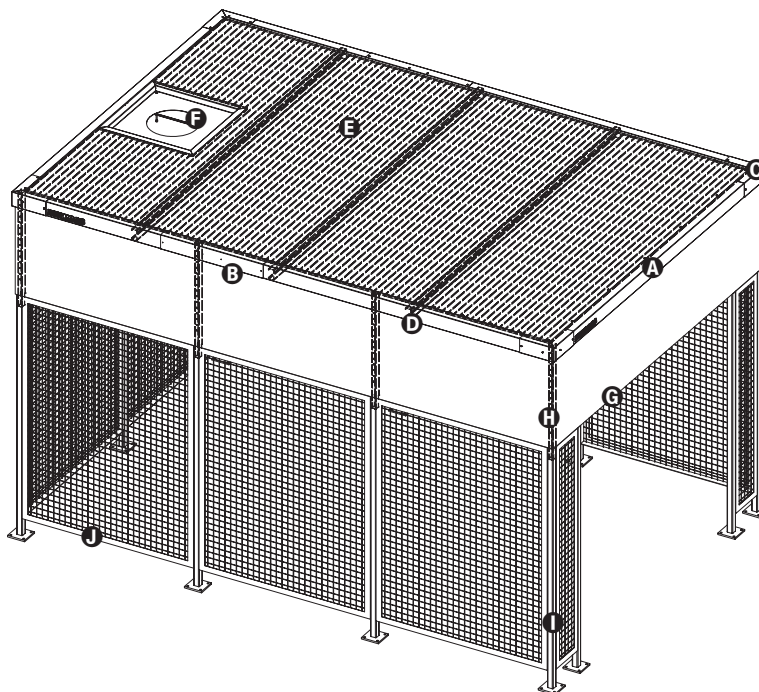
Weld Curtain, screws to bottom lip of Fascia with tek screws and washers, cut to size as required, necessary to infill area between Hood Roof and top of guarding, to retain generated smoke within the cell area to be captured by the connected ventilation equipment.

HS110 | POST EXTENSION

36" high, trim to length where needed, fits into 2" x 2" standard guarding support post, screws into Fascia.

HS120 | POST

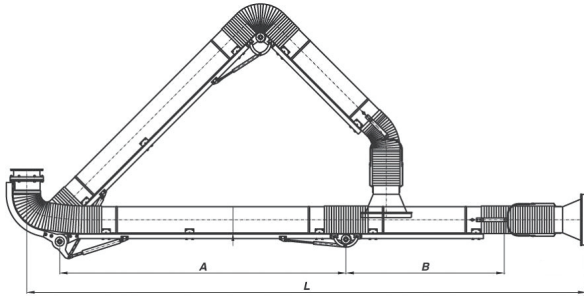
To support hood without mounting on existing guarding, 120" (10ft) high, trim to length as needed, 4 bolts through base plate to anchor to floor.



- Ⓐ Fascia
- Ⓑ Fascia Joiner
- Ⓒ Corner
- Ⓓ Support Rib
- Ⓔ Polygal Sheeting
- Ⓕ Duct Connection
- Ⓖ Curtain
- Ⓗ Post Extension
- Ⓘ Post
- ⓵ Existing Guarding

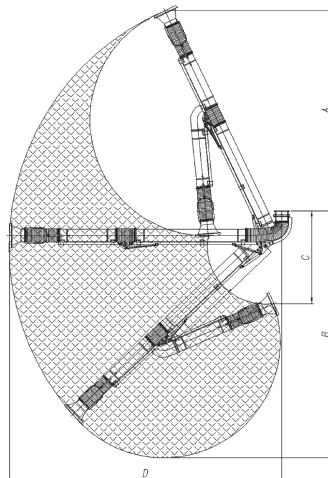
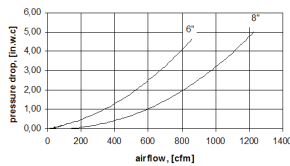
FUME ARMS

HANGING VERSION

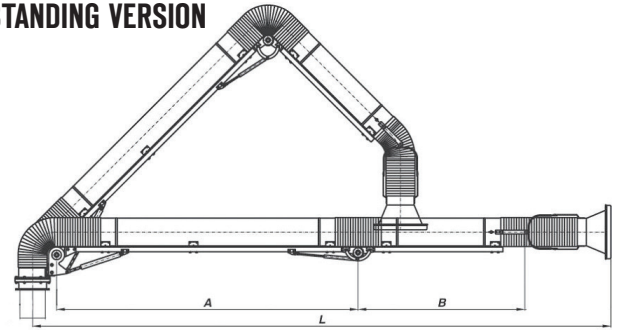


Model #	Length "L" (ft)	Diameter (in.)
VB-FH-607	7'	6
VB-FH-610	10'	6
VB-FH-614	14'	6
VB-FH-807	7'	8
VB-FH-810	10'	8
VB-FH-814	14'	8

WORK RANGES

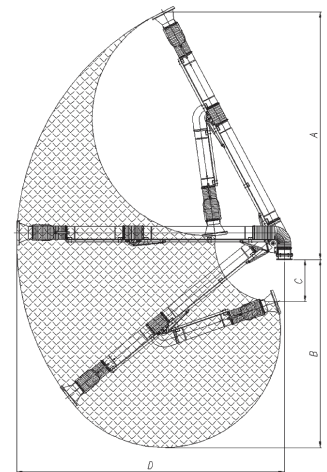


STANDING VERSION



Model #	Length "L" (ft)	Diameter (in.)
VB-607	7'	6
VB-610	10'	6
VB-614	14'	6
VB-807	7'	8
VB-810	10'	8
VB-814	14'	8

WORK RANGES



Recommended Air Flow:

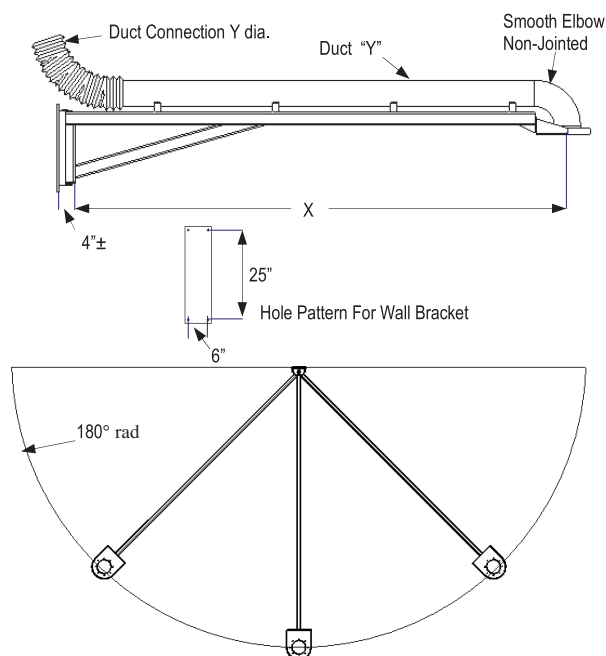
Model #	A (in)	B (in)	C (in)	D (in)
VB-FH-610/VB-FH-810	86	113	36	122
VB-FH-614/VB-FH-814	107	133	50	146

Dia. Of Arm	Airflow
6"	615-800
8"	860-1100

Model #	A (in)	B (in)	C (in)	D (in)
VB-FR-610/VB-FR-810	111	82	16	119
VB-FR-614/VB-FR-814	133	100	22	143

ARTICULATED EXTENSION BOOMS

SINGLE ARTICULATED EXTENSION BOOMS

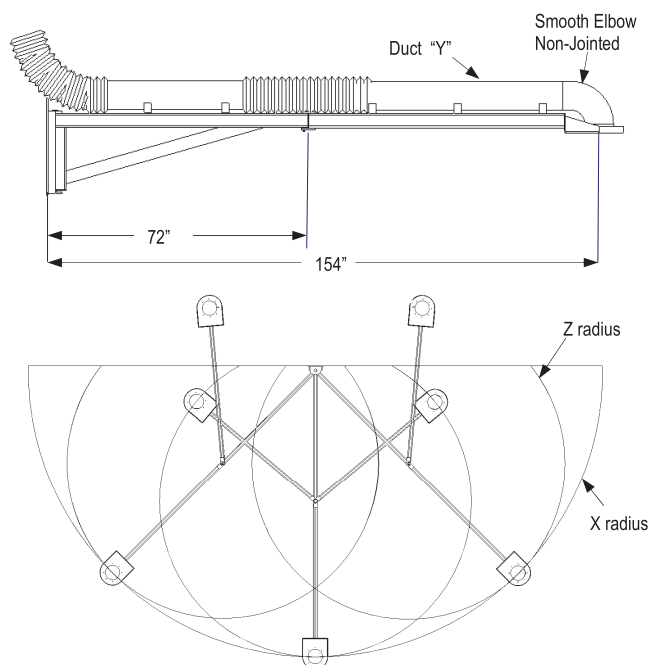


Model #	Dia Duct "Y"	Arm Length	Dim "X"	Recommended Airflow (CFM)	Weight
VB-BA-0608	6"	8'	8'9"	615-800	260
VB-BA-0610	6"	10'	10'9"	615-800	275
VB-BA-0612	6"	12'	12'9"	615-800	300
VB-BA-0808	8"	8'	8'9"	860-1100	270
VB-BA-0810	8"	10'	10'9"	860-1100	285
VB-BA-0812	8"	12'	12'9"	860-1100	310
VB-BA-1010	10"	10'	10'9"	1200-1600	295
VB-BA-1012	10"	12'	12'9"	1200-1600	320

Note: Other diameters are available.

Application: Use with fume extraction arms, pivoting extension arm, exhaust extraction

DOUBLE ARTICULATED BOOMS



Model #	Dia Duct "Y"	Arm Length	Dim "X"	Recommended Airflow (CFM)	Weight
VB-BDA-0612	6"	12'	180°	260°	305
VB-BDA-0812	8"	12'	180°	230°	315
VB-BDA-1012	10"	12'	180°	200°	325

STANDARD FEATURES:

Heavy Duty Tubular Construction

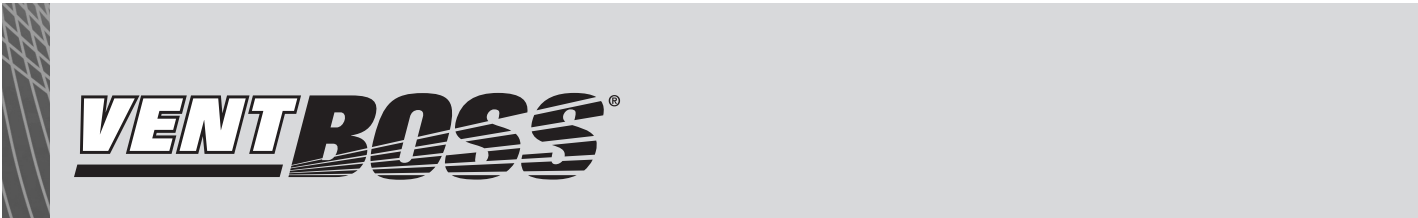
Finish: Baked Powdercoat Finish

Smooth 90° Elbow, to reduce static

Temperature Rating -40 to +250°F
(higher temperature rating available on request)

Single and Double Articulating Versions

Flex Hose to hook-up directly to duct system

[illegible]

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