

VENT BOSS[®]

by *RoboVent*[®]

**WELD
STRONG**

**BREATHE
FREE**

REVISED 03/01/2017





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STRONG
BREATHE
FREE**

FUME EXTRACTORS THAT WORK AS HARD AS YOU DO

Welding and metal fabricating can be tough, dirty jobs. But they should never be unsafe. Protecting workers from dangerous weld fumes and particulates is our #1 priority.

That's why we created the VentBoss® series of fume extractors. VentBoss was built to meet the needs of today's metal fabrication shops. We give you powerful, affordable fume control options in a variety of configurations to meet your unique needs. From portables to plug-and-play workstations, every unit is built to be durable, efficient and highly effective.

And VentBoss is built in the U.S., in Detroit, Michigan. We understand your needs because we're a manufacturer ourselves. We put the same care into every VentBoss unit that we expect to see from our own suppliers.



	Model Number	Capacity	Motor	Controls	Filter Area	Media Type	Dust Containment	Spark Arrestance	Configuration
SERIES 100	S110	750 CFM @ 4.5" W.G.	0.75 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	256 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Single Layer, (1) MM-16202	(1) 6" Diameter, 10' long FumeArm
	S112	750 CFM @ 4.5" W.G.	0.75 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	256 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Single Layer, (1) MM-16202	(1) 6" Diameter, 12' long Flex Hose
	S120	1200 CFM @ 4.5" W.G.	1.5 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	256 sq.ft.	Nanofiber MERV13	Dust Tray, Hoppers Optional	Single Layer, (1) MM-20242	(1) 8" Diameter, 10' long FumeArm
	S121	1200 CFM @ 4.5" W.G.	1.5 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	256 sq.ft.	Nanofiber MERV13	Dust Tray, Hoppers Optional	Single Layer, (1) MM-20242	(2) 6" Diameter, 10' long FumeArm
	S130	150 CFM Max, 110" W.G. Max	2.3 HP (1700 Watts), Direct Drive, 1500+ hr. Duty	Manual on/off switch, Minihelic Filter Condition Gauge	37 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Single Layer, (1) MM-12121	(1) 2" Flex Hose, 15'
SERIES 200	S210	1280 CFM @ 4" W.G.	0.75 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	217 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Table Size: 36" x 36", 1 x 1/8 Bar Grating, 630lb. Load capacity
	S220	2000 CFM @ 3.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	217 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Double Layer, (1) FB-17402, (1) MM-17402	Table Size: 36" x 36"
	S230	2000 CFM @ 3.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	217 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Double Layer, (1) FB-17402, (1) MM-17402	Table Size: 60" x 36"
SERIES 300	S310	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Multiple Options
	S311	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Floor Unit, (1) 8" diameter, 10' long FumeArm
	S313	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Floor Unit, (2) 6" diameter, 10' long FumeArm
	S316	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Wall Mount, (1) 8" diameter, 10' long FumeArm
	S318	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	BackDraft, 2' x 2' Opening
	S350	1500 CFM @ 4.5" W.G.	2 HP, Direct Drive	Manual on/off switch, Minihelic Filter Condition Gauge	355 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Triple Layer, (1) FB-24242, (2) MM-24242	Canopy - 60"W x 64"D
SERIES 400	Multiple configurations and sizes available to suit your specific needs.								
SERIES 600	S610	4000 CFM @ 5" W.G.	5 HP, Direct Drive	Integrated Electrical Controls, Motor Starter, Disconnect, all prewired	1116 sq.ft.	Nanofiber MERV13	Vacuum/Sweep Out Filter Plenum	Single Layer, (4) MM-24242	General Ventilation
SERIES 700	S760	90 CFM @ 50" W.G.	3 HP Single Stage Regenerative Hi-Vac Blower	Integrated Electrical Dashboard, all prewired	220 sq.ft.	Nanofiber MERV13	Dust Tube	Built-in Delta3	(2) 2" Hose Ports

Warranty Information*

2-Years on Series 100, 200, 300 and 700

5-Years on Series 600

10-Years on Series 400

*Refer to the **VentBoss Spec Guide** for full details on all units. Due to continued engineering, all specifications are subject to change without notice.

SERIES 100

TOUGH PORTABLES

When you need powerful fume extraction in a highly portable package, look to the VentBoss 100 Series. These durable roll-around units are ideal for manual welding applications. Their size and flexibility make them a popular choice for small-to-medium size fabricators, weld schools and training programs.



Scan this code with your smartphone's QR Code reader app to **watch the S110 video.**

S110

Capacity: 750 CFM @ 4.5" W.G.
Motor: 0.75 HP, Direct Drive
Voltage: Single Phase, 110V, 50/60Hz

This single-arm, light-duty collector provides effective extraction for individual weld stations consuming up to 25 pounds of weld wire per week. Different fume arm options are available.



FEATURE

BENEFIT

Fume arm	Source capture
Handle	Easy to move
External support for fume arms	Increased air draw
Commercial grade casters	Increased durability / Easy to move
Allows for manual cleaning	Prolongs filter life



S112

Capacity: 750 CFM @ 4.5" W.G.
Motor: 0.75 HP, Direct Drive
Voltage: Single Phase, 110V, 50/60Hz

FEATURE

BENEFIT

Fume hose	Source capture
Handle	Easy to move
External support for fume arms	Increased air draw
Commercial grade casters	Increased durability / Easy to move
Allows for manual cleaning	Prolongs filter life

S120

Capacity: 1200 CFM @ 4.5" W.G.
Motor: 1.5 HP, Direct Drive
Voltage: Single phase, 110V, 60Hz



FEATURE

BENEFIT

1 - 2 Fume arm option	Source capture, multiple stations
BackDraft or DownDraft option	Multi use; grinding & welding
Handle	Easy to move
External support for fume arms	Increased air draw
Commercial grade casters	Increased durability / easy to move
Pulse cleaning / Built in Air Tank	Longer filter life
Dust tray with baffle	Easy to clean and longer filter life
Filter locking seal	Ensures clean air exhaust



S120

S122



S121



This convertible collector provides more power to support up to two weld stations consuming up to 50 pounds of weld wire per week. The S120 can be fitted with single or double fume arms or converted into a portable downdraft table.

S130

Capacity: 150 CFM Max, 110" W.G. Max
Motor: 2.3 HP (1700 Watts)
 Direct Drive, 1500+ hr. Duty
Voltage: Single phase, 120V, 50/60Hz

FEATURE

BENEFIT

Flex Hose	Source Capture
Handle	Easy to move
Commercial grade wheels	Increased durability / Easy to move
Allows for manual cleaning	Prolongs filter life



Hose end attachments



Scan this code with your smartphone's QR Code reader app to **watch the S130 video.**



SERIES 200

PLUG-N-PLAY WORKSTATIONS

With the VentBoss Series 200 workstations, getting your fabrication shop or weld school up and running has never been easier. Just connect power and compressed air, and get to work! These units are ideal for stationary manual welding or light-duty grinding. Need to reconfigure your shop? No problem—these units are easy to move as your needs change.



S210

Capacity: 1280 CFM @ 4" W.G.
Motor: 3/4 HP, Direct Drive
Voltage: Single Phase, 110V, 60Hz

FEATURE	BENEFIT
Large work envelope	Easy to use with larger materials
Pulse cleaning	Longer filter life
Large downdraft grate	Draws smoke away from welder
Detachable side panels	Accommodates larger materials



These versatile downdraft tables are a popular choice for training programs and small fabrication shops engaged in light-duty welding and grinding applications. It provides a generous work surface with detachable side panels to accommodate larger parts. Choose from single or double workstation models.



S211

Capacity: 2560 CFM @ 4" W.G.
Motor: 1 1/2 HP, Direct Drive
Voltage: Single Phase, 110V, 60Hz

FEATURE	BENEFIT
Large work envelope	Easy to use with larger materials
Pulse cleaning	Longer filter life
Large downdraft grate	Draws smoke away from welder
Detachable side panels	Accommodates larger materials

S230

Capacity: 2000 CFM @ 3.5" W.G.
Motor: 2 HP, Direct Drive
Voltage: 3 phase, 480V, 60Hz

The S230 uses powerful backdraft extraction to pull weld fumes up and away from the operator. The highly efficient fume extraction makes this our recommended solution for weld schools. It can also be used for light-duty grinding applications.

FEATURE	BENEFIT
Large work envelope	Easy to use with larger materials
Pulse cleaning	Longer filter life
Storage area	Easy access for welding power supply
Backdraft	Most effective capture method
Side panels	Arc flash protection
Curtain option	Additional arc flash protection



S220

Capacity: 2000 CFM @ 3.5" W.G.
Motor: 2 HP, Direct Drive
Voltage: 3 phase, 480V, 60Hz

FEATURE	BENEFIT
Large work envelope	Easy to use with larger materials
Pulse cleaning	Longer filter life
BackDraft	Most effective capture method
Side panels	Arc flash protection
Curtain option	Additional arc flash protection

SERIES 300

SPACE SAVER UNITS

When space is at a premium, the VentBoss 300 series provides maximum fume extraction power with a very small footprint. These hard-working units have a larger air draw capacity than our portables to handle high-volume manual welding and light-duty robotic welding. Choose from a variety of floor or wall-mounted units to fit your space and applications.



(ductwork required)



S310

Capacity: 1500 CFM @ 4.5" W.G.
Motor: 2 HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz

FEATURE	BENEFIT
Large air draw	Accommodates multiple configurations
Compact	Small footprint
Pulse cleaning	Longer filter life
Dust tray with baffle	Easy to clean and longer filter life
Filter locking seal	Ensures clean air exhaust
Fork pockets	Easy to relocate

S311

(1) 8"x10' Fume Arm

S312

(1) 8"x14' Fume Arm



This single fume arm model provides high-efficiency extraction for a single manual weld station.

S313

(2) 6"x10' Fume Arms

S314

(2) 6"x14' Fume Arms



Each unit is equipped with two fume arms to support two manual welding stations.

S315



(ductwork required)

No floor space? No problem! This unit mounts right to the wall and can be adapted for either manual welding or a single robotic welding cell.



S316 (1) 8"x10' Fume Arm
S317 (1) 8"x14' Fume Arm

This wall-mounted single fume arm model provides extraction for manual welding.



S318 (2) 6"x10' Fume Arms
S319 (3) 6"x14' Fume Arms

Equipped with two fume arms to support two manual welding stations.

S320



These units provide high-efficiency backdraft extraction for manual welding applications. Choose from floor or wall-mounted options.

S321



S350

shown with optional curtain

Capacity: 1500 CFM @ 4.5" W.G.
Motor: 2 HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz

Position this unit over a weld cell for high-efficiency fume extraction and filtration. Use the optional curtains to create an instant individual manual welding cell or incorporate into a larger overhead canopy for light-duty robotic applications.

FEATURE	BENEFIT
Built in hood (5'X5')	Reduced installation costs
Hanging unit / wall mount	Requires zero floor space
Flash curtain	Arc flash protection
Pulse cleaning	Longer filter life
Dust tray with baffle	Easy to clean and longer filter life
Filter locking seal	Ensures clean air exhaust

SERIES 400

CARTRIDGE COLLECTORS

These heavy-duty filtration units can be connected via ductwork to provide efficient fume extraction for multiple manual or robotic welding stations. Each all-in-one dust collector comes factory tested and ready to go with built-in motor, blower and automatic controls. One connection point for electrical power and compressed air eliminates on-site wiring headaches.

We have a wide variety of sizes and models to meet your needs.

Models:

- 2 Cartridge Filter
- 3 Cartridge Filter
- 4 Cartridge Filter
- 6 Cartridge Filter
- 8 Cartridge Filter
- 10 Cartridge Filter
- And larger



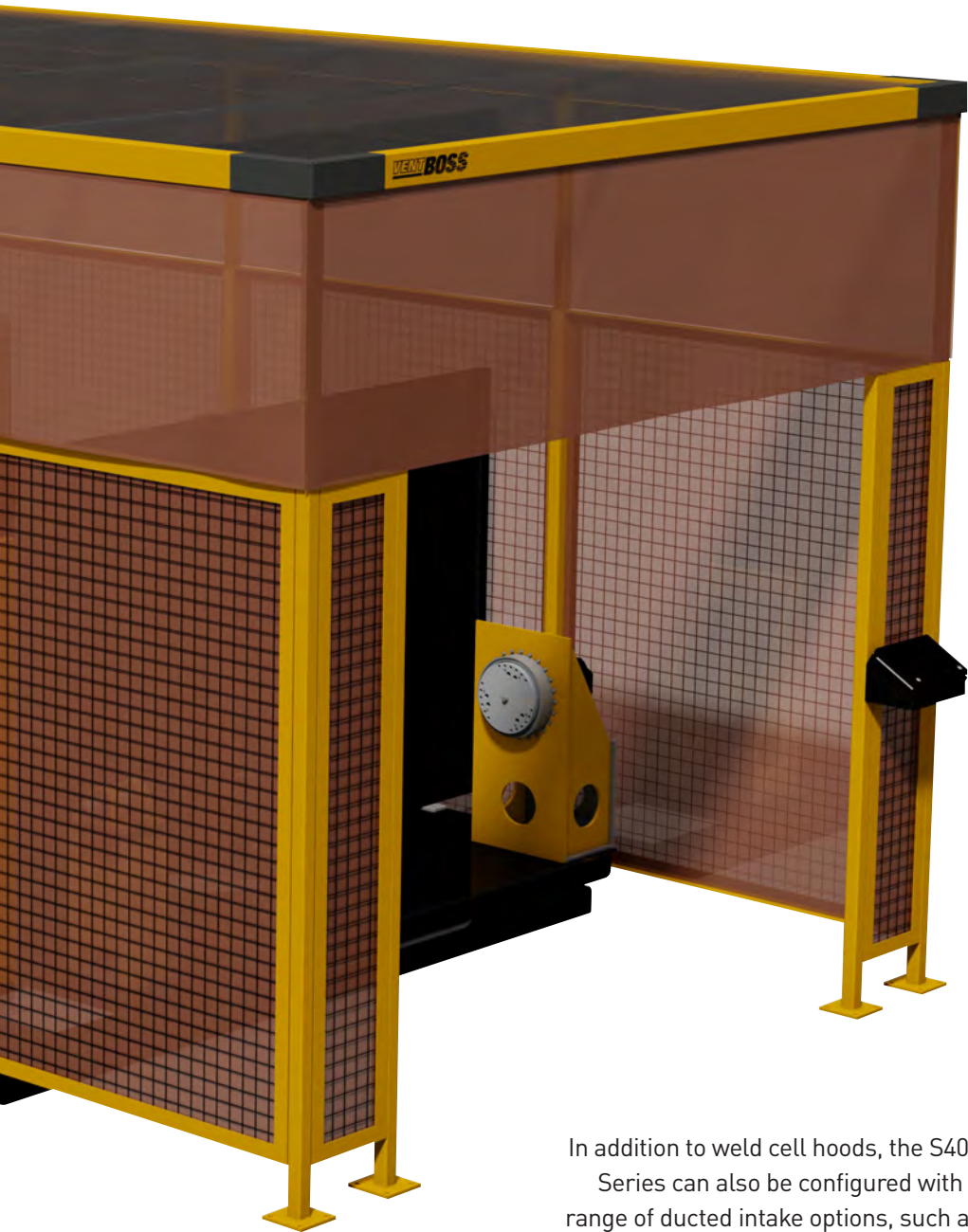
S400

Capacity: 1500 CFM-14,000CFM
Motor: Various
Voltage: Standard 480V with options

The S400 can be ducted into a robotic welding cell or to one or more manual welding stations. Choose from a range of CFM capacities to meet your production needs. Shown here connected to the Weld Cell Hood System.

FEATURE	BENEFIT
Spark arresstance options	Safety and fire prevention
Multi-pulse cleaning	Longer filter life
Filter locking seal	Most effective capture method
Air monitor	Ensures clean air exhaust
Self-contained motor & controls	Reduced installation costs





COLLECTOR SHOWN
CONNECTED TO
**WELD CELL
HOOD SYSTEM**

The VentBoss Weld Cell Hood System provides a fast, easy and effective solution for capturing weld fumes from robotic cells. Mount the cell directly to existing guarding or to stand-alone posts. The collector is simply direct ducted to the capture point integrated into the hood roof.



In addition to weld cell hoods, the S400 Series can also be configured with a range of ducted intake options, such as the FumeArm system shown here.



SERIES 600

FLEXIBLE GENERAL VENTILATION

THE NEXT REVOLUTION IN FUME CONTROL



Control the dust without the ducts! The VentBoss 600 series provides effective whole-facility fume control without expensive and inconvenient ductwork. Each unit uses powerful fume extraction and filtration to pull dirty air in and push clean air back to the facility. Multiple units can be used together to create a rotating air pattern that cleans the air throughout the plant. Ambient filtration can be combined with source capture for secondary air quality control or used as a stand-alone option when source capture is not practical.



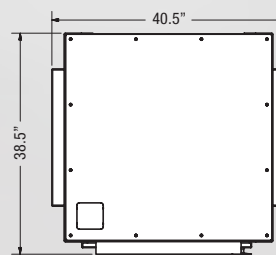
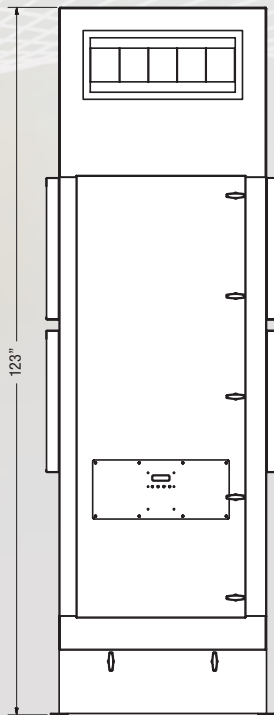
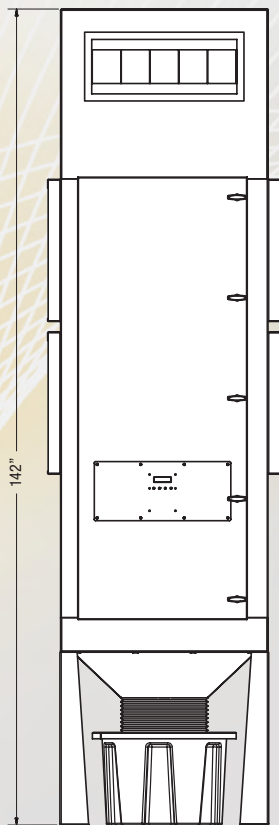
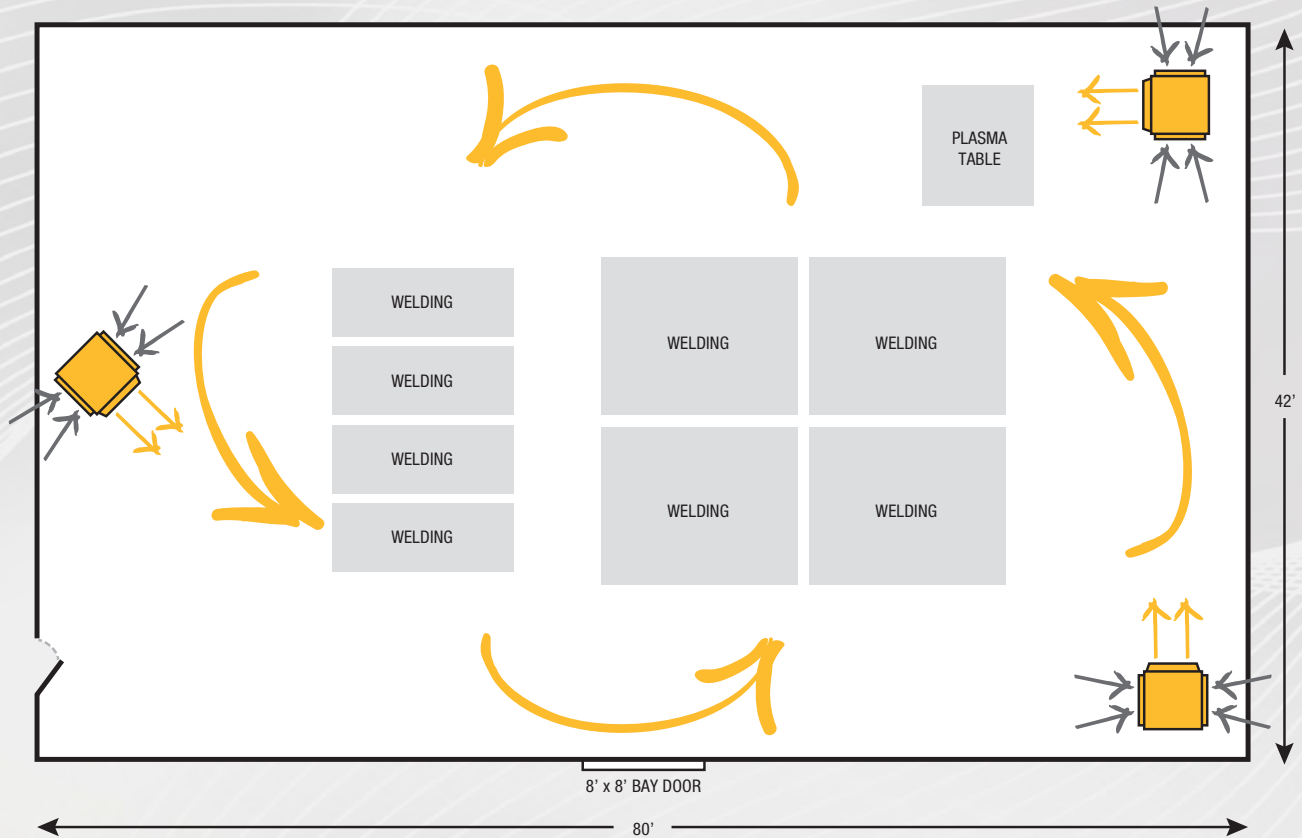
S610

Capacity: 4000 CFM @ 5" W.G.
Motor: 5 HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz



The dual-filter S610 provides highly efficient ambient filtration in a very small footprint. Use a single unit to clean air in a localized region of the facility or combine them for effective fume control throughout the facility. Each unit comes equipped with a self-contained motor and integrated controls, so it's ready to go right from the factory.

FEATURE	BENEFIT
Dual side spark arresstance	Safety and fire prevention
Dual filters	Money savings on filter replacement
20 Gallon Drum	Money savings on maintenance
Self-contained motor & controls	Reduced installation costs
Multi-pulse cleaning	Multi-pulse cleaning Longer filter life
Air monitor	Ensures clean air exhaust



WHOLE-FACILITY AMBIENT FILTRATION

Series 600 dust collectors are placed strategically throughout the facility to keep air moving in a rotating pattern and improve air quality throughout the facility.

Note: number of units depends on pounds of weld wire consumed, size of building, etc.

SERIES 700

HI-VAC EXTRACTION

The Ventboss 700 Series provides high-vacuum fume extraction for manual welding. High-vac extractors are the perfect companion for fume gun extractors, providing powerful source capture without the need for overhead hoods.



S760

Capacity: 90 CFM @ 50" W.G.
Motor: 3HP Single Stage Regenerative Hi-Vac Blower
Voltage: 3 Phase, 480V, 60Hz

The perfect companion for the VentBoss Extractor™ Fume Gun, this powerful, flexible system is the only portable unit of its size rated for high-production welding environments. It can support one or two fume guns, be fitted with a magnetic nozzle for stick welding applications or hooked up to a robotic welding cell for continuous fume extraction and filtration.

FEATURE	BENEFIT
Handle and wheels (optional)	Portability
eDrive VFD	Energy savings
Dashboard controls	Ease of use
Disposable dust tube	Easy clean
Exhaust silencer	Noise reduction
Auto start/stop	Energy savings, ease of use



DASHBOARD CONTROLS

A simple easy to use, user-friendly dashboard lets you see performance and filter loading at a glance with a simple switch between single- and dual-gun extraction requirements.



S765 EXTRACTOR™

When paired with the S760 hi-vac system, the VentBoss S765 Extractor captures 90-95% of weld fumes*

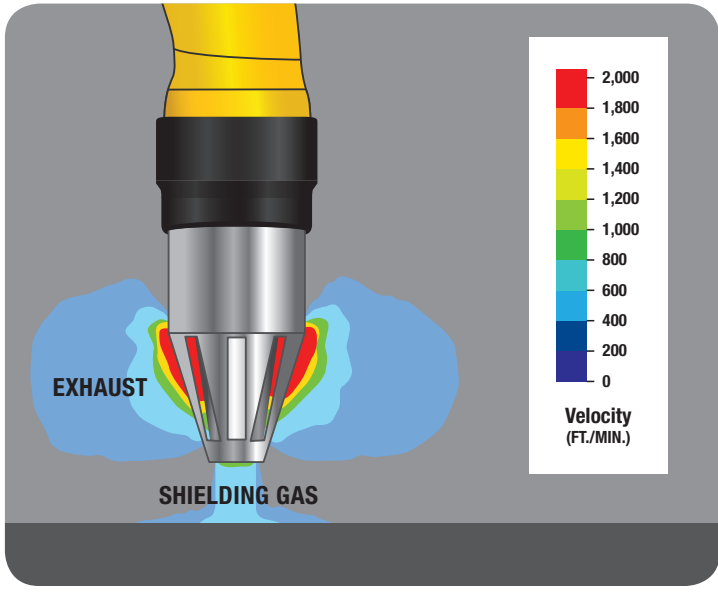
The VentBoss S765 Extractor™ integrates a high-performance welding gun with a powerful source extraction system, so fumes are captured as soon as they are generated. It features a lightweight, maneuverable handle and a streamlined nozzle designed for maximum visibility and control.

FEATURE	BENEFIT
High-efficiency suction head	Improved fume capture
Conical suction head/welding tip	Improved visibility and ergonomics
Ball-and-joint socket	Improved ergonomics
Lightweight, ergonomic handle	Reduced fatigue

* This applies to (pulling) underhand welding. The reduction in (pushing) overhand welding and very swift horizontal movements may be slightly less.

SUPERIOR PERFORMANCE

The VentBoss S765 Extractor is intended for use in MIG and GMAW welding processes that employ shielding gases. The gun will in all cases deliver an improved performance in comparison to current guns with source suction.



DISTRIBUTED BY:

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