



SERIOUS AIR FOR SERIOUS PLACES

CONFINED SPACE VENTILATION EQUIPMENT



Trust the proven leader.

Since 1991, Schaefer's Americ VAF series ventilators have consistently ranked top in their class within the domestic rental market. Not only were they the first launched Plastic Portable Air Ventilator, it was their innovative design that reduced maintenance and service costs when compared to traditional metal housing fans. Whether you're looking to bring fresh air into tight spaces or need a way to expel dangerous gases, know that Schaefer's products are designed to meet your needs.

VAF Series Warranty

Schaefer's Americ VAF Series portable ventilators come with a warranty that surpasses any guarantee in the industry. Schaefer Ventilation promises to repair or replace any part of a VAF Series unit that proves to be defective in workmanship or materials for a period of two years from the date of purchase.

[Schaefer Americ VAF3000P Pneumatic Intrinsically Safe Confined Space Ventilator](#)

[Schaefer Americ VAF8000B-3 Industrial Confined Space Ventilator](#)

[Schaefer Americ VAF8000A-3 Industrial Confined Space Ventilator](#)

[Schaefer Americ VAF3000B Industrial Confined Space Ventilator](#)

[Schaefer Americ VAF3000A Industrial Confined Space Ventilator](#)

[Schaefer Americ VAF1500B Industrial Confined Space Ventilator](#)

[Schaefer Americ VAF1500A Industrial Confined Space Ventilator](#)

Often imitated. Never duplicated.

At Schaefer, we understand that serious environments call for serious ventilation. That's why we've created products that perform in the most extreme areas.

For over 60 years, Schaefer has been a leader in the design and manufacture of specialized industrial ventilation equipment. It's a well-known fact that without fresh air you can't work safely, let alone comfortably. It's your job to take the proper safety precautions and choose the right equipment. Put simply, you have to ensure that the ventilator you

choose will be durable, dependable, and perform under the toughest conditions.

We invite you to take a closer look and notice that the difference between us and the rest, is in the design, quality of material and service.

What makes our fans so unique?

Dual Wall Design

Manufactured of high density polyethylene, our dual wall shell design allows the exterior wall to absorb external damage without disturbing internal mechanisms or airflow. Metal ventilators are not only heavy, but they can also dent easily. Large dents can not only create rust spots, they can interfere with the rotation of the fan blade resulting in costly repairs. With Schaefer's VAF-Series ventilators, maintenance costs are virtually eliminated.



Motors Built to Last

Rated at 100,000+ continuous duty hours, our custom built motors are designed to perform in the harshest of environments. Schaefer's Americ ventilators have totally enclosed motors that eliminate the possibility of debris buildup on the copper windings, thereby maintaining performance and increasing life expectancy. Whether you're evacuating concrete dust or just exchanging stale air, our thermally protected motors can meet the challenge.



Safety & Testing

In order to exceed industry standards, Schaefer works with third party testing organizations to ensure overall product safety. Our products are listed with Underwriters Laboratories, one of the oldest and most prestigious testing organizations in the world. We also maintain CE compliance for our European customers.



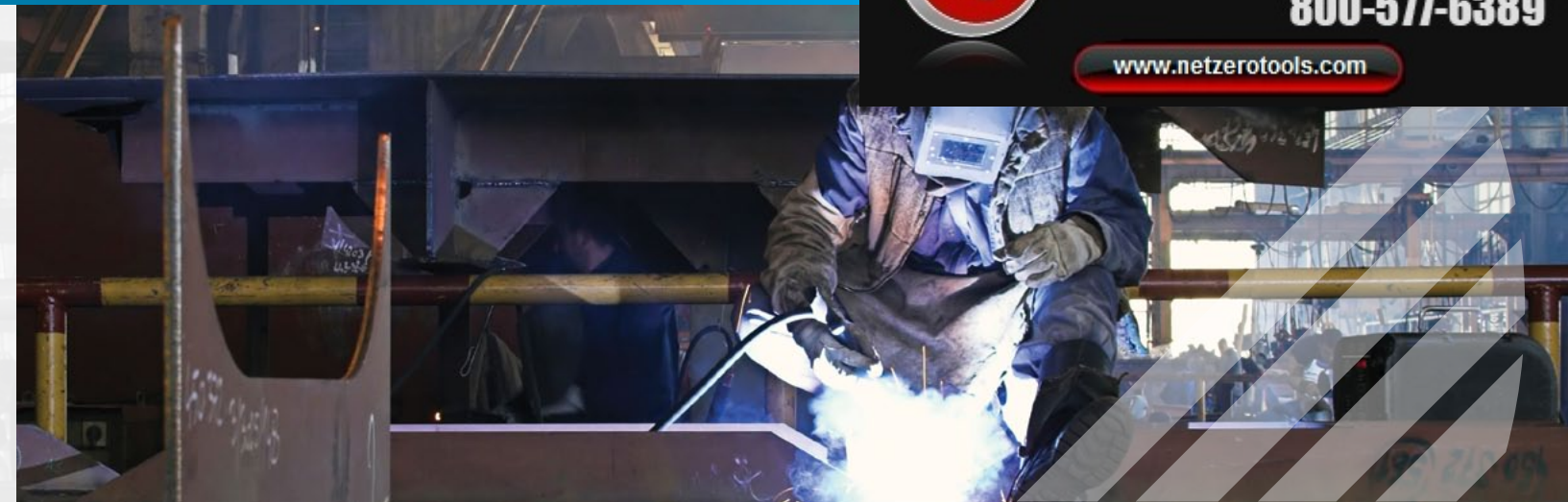
5 STEPS TO SAFE AIR

Working in confined spaces can be tricky, and without the right equipment, dangerous. Here are some basic steps to help ensure the safety of you and your crew in confined spaces.

- 1 IDENTIFY HAZARDS.**
There are many different types of hazards in confined spaces. The most insidious of hazards are atmospheric hazards, which cause most confined space deaths and injuries.
- 2 TEST THE AIR.**
Air testing equipment should be brought in to determine the type of atmospheric hazard in the confined space. This is important when the time comes to decide what ventilation equipment to use.
- 3 CHOOSE THE RIGHT EQUIPMENT.**
If air testing shows combustibility, you need to choose a portable ventilator that is specifically designed for explosive environments (such as the VAF3000P).
- 4 PURGE THE CONFINED SPACE OF "BAD" AIR.**
Purge the confined space of "bad" air. Use reliable air ventilators to remove toxic air, or to provide fresh air where there is none. Run the units at maximum until air testing equipment says it's safe to enter.
- 5 CONTINUE REGULAR AIR TESTING.**
Air conditions can change rapidly. Schedule regular safety checks of the air quality.

For complete safety requirements, please refer to Department of Labor, OSHA, 29 CFR Parts 1910. Safety in confined spaces is the responsibility of each individual company and contractor. Schaefer does not assume responsibility for confined space safety measures taken or not taken as a result of this catalog.

A powerhouse ventilator for the toughest jobs.



VAF3000A/B 12" DIAMETER

On-demand performance. Ideal for use in confined spaces that require a powerhouse air ventilator, the VAF3000A/B can handle your most demanding industrial needs.

With a forceful 1 Hp motor, the VAF3000 can deliver both positive and negative airflow at an incredible maximum capacity of 2,796 CFM in the most difficult work environments.

No matter what your industry or application (construction, demolition, utility, paper mill, shipyard, power station, tank purging, or manufacturing), the VAF3000A/B is designed to take on the toughest of jobs.

VAF3000A Features:

- CFM rating of 2,796 (79.2 m³/min)
- Weighs only 32.5 pounds (14.74 Kg)
- Stackable to save storage or work area space
- Powerful 1 Hp electric motor (.75 Kw)
- Capability to connect up to 125 feet (38 m) of straight duct
- Ideal for confined spaces that require greater airflow



VAF3000A/B Americ[®] 12" Diameter Industrial Ventilator

 FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

Technical Data

VAF3000A and VAF3000B 12" Diameter Industrial Ventilator

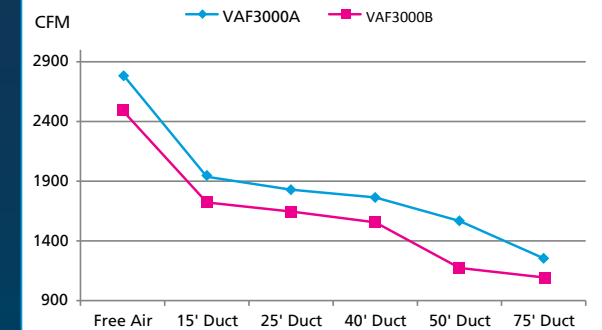
MOTOR SPECIFICATIONS

Model	VAF3000A*	VAF3000B*^
Voltage	115V AC~	230V AC~
Phase	Single	Single
Frequency	60/50 Hz	50 Hz
Electric Motor	1 Hp (.75 Kw)	1 Hp (.75 Kw)
Current (amps)	8/5.7	4.2
R.P.M.	3300/2800	2850
Max. S.P.	3"	2.5" (68mm/Aq)

AIR FLOW RATES

Model	VAF3000A		VAF3000B	
	CFM	M ³ /Min.	CFM	M ³ /Min.
Free Air	2796	79.2	2492	70.6
15' Straight	1938	54.9	1722	48.8
25' Straight	1829	51.8	1646	46.6
40' Straight	1764	50.0	1556	44.1
50' Straight	1567	44.4	1173	33.2
75' Straight	1254	35.5	1094	31.0
25' 1-90 Bend	1564	44.3	1344	38.1
25' 2-90 Bends	1377	39.0	1232	34.9

PERFORMANCE CURVES



DIMENSIONS

VAF-3000A/B	
Fan Type	Axial Blower/Extractor
Size	12" diameter (305 mm)
Weight	32.5 lbs. (14.74 Kg)
Height	21" (533 mm)
Length	17" (432 mm)
Width	14" (355 mm)

For more information, visit us online at: .schaeferfan.com or call toll free:

* UL and CUL Listed
^ CE Listed

The air you need in small and confined spaces.



VAF1500A/B 8" DIAMETER

The ideal workhorse.

Perfect for small confined spaces, such as manholes and sewers, these compact blowers deliver maximum airflow for a safe, comfortable and controlled work environment.

Your construction, utility, or telephone crews can depend on the VAF1500A/B models to deliver a continuous flow of fresh air.

For a versatile portable ventilator with just the right amount of power, the VAF1500A/B (blower/extractor) or removal of inlet duct ring (blower only) is ideally suited for light industrial or utility applications.

VAF1500A Features:

- CFM rating of 877 (VAF1500) and 1,262 (VAF1500 with Inlet duct ring removed)
- Lightweight, only 18 pounds (8.2 Kg)
- Stackable to save storage or work space area
- Available in bright yellow for high visibility
- Capability to connect up to 50 feet (15.24 m) of straight duct
- Ideal for manhole applications



VAF1500A/B Americ[®] 8" Diameter Utility Ventilator

 **FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY**

Note: All units ship as Model VAF1500A or B. To increase more CFM's, remove the inlet duct ring.

Technical Data

VAF1500A and VAF1500B 8" Diameter Utility Ventilator

MOTOR SPECIFICATIONS

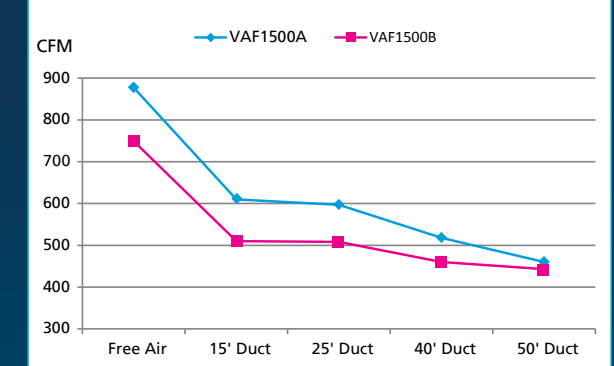
Model	VAF1500A*	VAF1500B^	Removal of Inlet Duct Ring
Voltage	115V AC~	230V AC~	115V AC~
Phase	Single	Single	Single
Frequency	60 Hz	50 Hz	60 Hz
Electric Motor	1/4 Hp	1/4 Hp	1/4 Hp
Current (amps)	2.5	1.3	2.5
R.P.M.	3000	2260	3000
Max. S.P.	1.5"	1.5"	1.5"

AIR FLOW RATES

Model	VAF1500A		VAF1500B		Less Inlet Duct Ring	
	CFM	M ³ /Min.	CFM	M ³ /Min.	CFM	M ³ /Min.
Free Air	877	24.8	749	21.2	1262	35.7
15' Straight	610	17.3	510	14.4	554	15.7
25' Straight	597	16.9	508	14.4	616	17.4
40' Straight	518	14.7	460	13.9	575	15.9
50' Straight	460	13.0	443	12.5	512	14.5
25' 1-90 bend	533	15.1	464	13.1	543	15.4
25' 2-90 bends	508	14.4	435	12.3	502	14.2

* UL and CUL Listed
^ CE Listed

PERFORMANCE CURVES



DIMENSIONS

Model	VAF-1500A/B	Less Inlet Ring
Fan Type	Axial Blower/Extractor	Axial Blower Only
Size	8" diameter (203 mm)	8" diameter (203 mm)
Weight	18 lbs. (8.2 Kg)	18 lbs. (8.2 Kg)
Height	18.5" (470 mm)	18.5" (470 mm)
Length	18.5" (470 mm)	15" (381 mm)
Width	12.5" (318 mm)	12.5" (318 mm)

Heavy duty performance you can count on.



VAF8000A/B 20" DIAMETER

Hold on to your seat.
This 20" unit outperforms ventilators three and four times its size.

If you're in need of a ventilator for larger applications, turn to the one that provides extreme performance. Turn to the VAF8000A/B.

Equipped with a powerful 5 Hp motor, the VAF8000A/B generates both positive and negative airflow at an outstanding maximum capacity of 9,968 CFM. Designed for use in areas which require a greater exchange of air, the VAF8000 promises performance.

VAF8000A Features:

- CFM rating of 9,968 (282.3 m³/min)
- Weighs only 119 pounds (53.97 Kg)
- Powerful 5 Hp electric motor
- Two built-in handles
- Dual wall shell design
- Ideal for larger areas that require greater airflow



VAF8000A/B
Americ[®] 20" Diameter High Capacity Ventilator

 FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

Technical Data

VAF8000A/B 20" Diameter High Capacity Ventilator

MOTOR SPECIFICATIONS

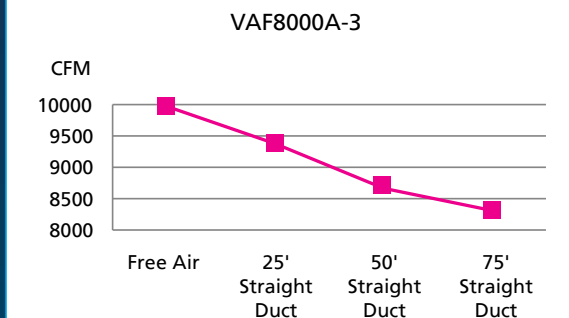
Model	VAF8000A-3*	VAF8000B-3
Voltage	230 AC~	440V AC~
Phase	Three	Three
Frequency	60/50 Hz	60/50 Hz
Electric Motor	5 Hp	5 Hp
Current (amps)	13	6.5
R.P.M.	3450	3450
Max. S.P.	6.1"	6.1"

AIR FLOW RATES

VAF8000A-3	CFM	M ³ /Min.
Free Air	9968	282.3
25' Straight	9379	265.6
25' 1-90° bend	7193	203.7
25' 2-90° bends	6726	190.5
50' Straight	8664	245.3
75' Straight	8313	235.4

*Available in single-phase. Call for details.

PERFORMANCE CURVES



DIMENSIONS

VAF8000A/B	
Fan Type	Axial Blower/Extractor
Size	20.5" diameter (520 mm)
Weight	119 lbs. (53.97 Kg)
Height	27.5" (698 mm)
Length	27.5" (698 mm)
Width	25.5" (647 mm)

Get the job done safely and efficiently.

VAF3000P 12" DIAMETER

The intrinsically safe design ensures against dangerous sparking.

Our energy-efficient, high-performance motor is totally enclosed, giving you the assurance to work safely. With a CFM rating of 2,063, the VAF3000P can provide all the continuous circulating airflow you need to get the job done.

Ideal for confined spaces that require a powerful ventilator that meets strict hazardous space standards, the VAF3000P delivers high performance with uncompromising safety.

VAF-3000P Features:

- CFM rating of 2,063 (58.4 m³/min)
- Weighs only 28 pounds (12.7 Kg)
- Stackable to save storage or work space area
- Powerful 1.5 Hp pneumatic motor
- Capability to connect up to 125 feet (38 m) of straight duct
- Redirects stale compressed air away from the main air stream
- **UL and C-UL listed for use in Class I, Division I, Groups A, B, C and D Hazardous Locations***

***Note:** If ducting is required in these atmospheres, use Duct Part AM-DC1225 and Aluminum Coupler Part AM-CA12 to maintain an intrinsically safe system.



VAF3000P Americ[®] 12" Diameter Pneumatic Ventilator

Technical Data

VAF3000P 12" Diameter Pneumatic Ventilator

MOTOR SPECIFICATIONS

VAF3000P*	
Air Consumption	38 cfm
Inlet Pressure (max)	100 psi
Noise Level	86 dBA
Motor	1.5 Hp
Bearings	permanently lubricated
R.P.M.	3000

AIR FLOW RATES

VAF3000P	CFM	M ³ /Min.
Free Air	2063	58.4
15' Straight	1753	49.6
15' 1-90° bend	1616	45.7
15' 2-90° bends	1450	41.0
25' Straight	1619	45.8
25' 1-90° bend	1497	42.4
25' 2-90° bends	1433	40.6
50' Straight	1531	43.3
100' Straight	1243	35.2

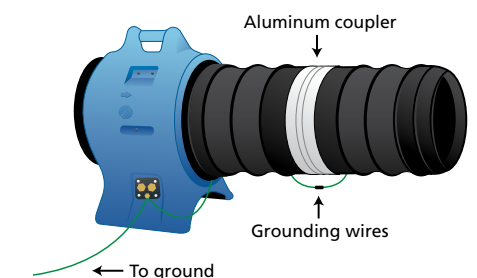
DIMENSIONS

VAF3000P	
Fan Type	Axial Blower/Extractor
Size	12" diameter (305 mm)
Weight	28 lbs. (12.7 Kg)
Height	21" (533 mm)
Length	17" (432 mm)
Width	14" (355 mm)

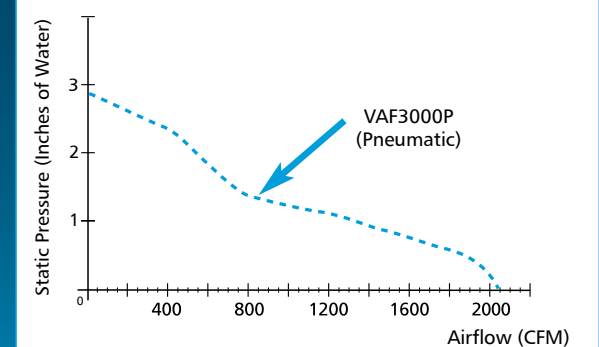
* UL and CUL Listed

PROPER GROUNDING DIAGRAM

When using **static conductive hose**, it is important to ensure that each section is properly grounded to the fan as shown in the illustration below. Please note that the fan itself must be grounded externally via the supplied cable.



PERFORMANCE CURVES



Accessories

For all your air ventilation needs, Schaefer has a full line of accessories as tough as our VAF Series ventilators.

DUCT WITH QUICK CONNECT

Available in 15' or 25' sizes for any model, our duct hoses are made of flexible, light duty vinyl, woven polyester. Each of the ducts are easily retractable and designed to handle large volumes of air at relatively low pressure. In addition, they are flame-retardant and easily connect to fan lips for positive and/or negative airflow.

MODEL	DESCRIPTION
AM-D0815	8" x 15' Duct with Quick Connect
AM-D0825	8" x 25' Duct with Quick Connect
AM-D1215	12" x 15' Duct with Quick Connect
AM-D1225	12" x 25' Duct with Quick Connect
AM-DC1225	12" x 25' Duct with Quick Connect
AM-D2025	20" x 25' Duct with Quick Connect

*Model AM-DC1225 duct is constructed of **static conductive material** for safe use in explosive or flammable environments with the VAF3000P.



Temperature Range ❄️ -20°F 🔥 180°F

BAG-O-DUCT

Available in 25' length, this duct hose, made of flexible light-duty vinyl, woven polyester is designed to collapse into its own attached carrying bag.

MODEL	DESCRIPTION
AM-D0825CB	8" x 25' Duct in a Bag
AM-D1225CB	12" x 25' Duct in a Bag



Temperature Range ❄️ -20°F 🔥 180°F

DISPOSABLE DUCT

Available in 500' rolls, this 4 mil disposable ducting can be cut to any length desired. For use on the exhaust side of blower only.

MODEL	DESCRIPTION
AM-DDISP500	500' Disposable Poly 4 mil
AM-DDISP500FR	500' Disposable Poly 4 mil (Flame Retardant)
AM-DDISP1225-4P	12" x 25' Flexible Mylar Disposable Duct - 4 pack



AM-DDISP500

AM-DDISP1225-4P

DUCT CARRIERS

These lightweight polyethylene carriers are ergonomically designed to hold up to 25' each of flexible ducting. The totally enclosed design helps reduce exposure to the elements, increasing the life expectancy of the ducting.

MODEL	DESCRIPTION
AM-DCP0825	Holds 8" diameter Duct
AM-DCP1225	Holds 12" diameter Duct

Note: Not for use with 12" static conductive hose (Model AM-DC1225).



DUCT STORAGE

Our durable metal rack is perfect for safe duct storage. It can store up to (2) 15' duct lengths, or (1) 25' duct. The retention bar is engineered to securely hold compressed duct while allowing for easy removal. In addition, the centrally located handle is designed to maximize portability.

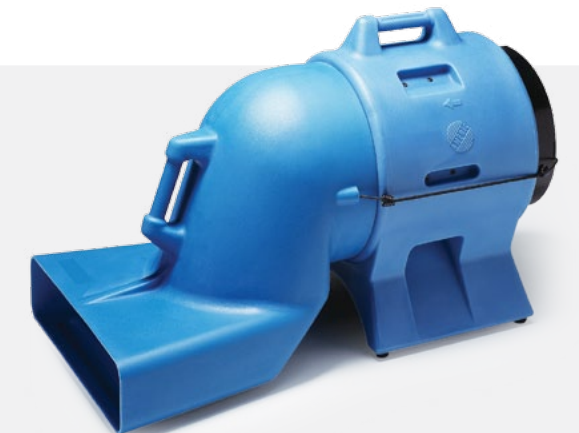
MODEL	DESCRIPTION
AM-DSR0825	Holds 8" diameter Duct
AM-DSR1225	Holds 12" diameter Duct



CARPET/FLOOR DRYING ATTACHMENT

Eliminate the need for a carpet dryer. This lightweight (9 lbs) plastic attachment is perfect for floor drying applications. Constructed with a built in handle for easy transport, Model AM-CDA3000 connects quickly to the ventilator using the supplied bungee cords.

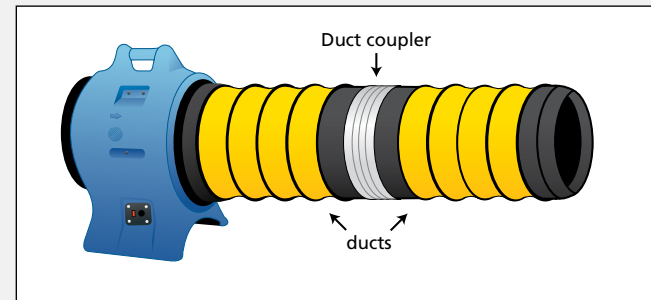
MODEL	DESCRIPTION
AM-CDA3000	(VAF3000A/B / 3000P only)



DUCT COUPLERS

This metal circular ring will allow you to connect multiple sections of duct.

MODEL	DESCRIPTION
AM-CG08	8" Steel Coupler
AM-CG12	12" Steel Coupler
AM-CA12	12" Aluminum Coupler (for use with model VAF3000P)
AM-CG20	20" Steel Coupler



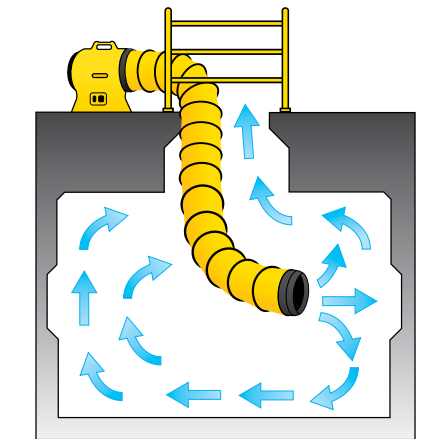
Air is a serious thing in confined spaces.

No matter what environment you have to deal with, a plentiful supply of fresh circulating air is critical. To get the most out of your Schaefer Americ VAF Series Ventilators, and to ensure an effective initial purge of a confined space, follow these four tips:

VENTILATION SET-UP TIPS

1. Set the ventilator at least five feet away and upwind of the entry. Never block the inlet on a VAF Series portable ventilator by placing it against a wall or object.
2. Lower attached ventilator duct hose into confined space. Angle end of the duct so that it faces an end wall (see diagram).
3. Ventilate area at maximum CFM until hazardous gases have been removed or a sufficient supply of fresh air is available.
4. Keep duct outlet angled at an end wall to avoid gas pockets in corners and to keep air circulating more effectively.

COMPLETE VENTILATION



REDUCERS

Available in both steel and fabric, our reducers make it quick and easy to connect various sizes of duct together. The steel reducer can be used on both the exhaust and extraction side, while the fabric reducer is designed for use only on the exhaust side.

MODEL	DESCRIPTION
AM-RG1208	12"–8" Concentric Steel Reducer (includes 12" x 3' duct) For use on both exhaust or extraction side of blower.
AM-RF1208	12"–8" Fabric Reducer For use on exhaust side of blower only.

Note: When creating a 12" to 8" reduction, static pressure and CFM will vary accordingly.



AM-RF1208
Fabric Reducer

For more information about our accessories, visit us online at [.schaeferfan.com](http://www.schaeferfan.com) or call toll free:

