



# OSBORNE<sup>®</sup>

## AGRI-AIDE<sup>®</sup> Ventilation Equipment



***your ventilation destination***  
*for small animal care facilities*



Osborne's world class ventilation equipment keeps indoor environments fresh and healthy for animals and the people who care for them.

# Ventilation

## Osborne's Total Ventilation Systems Meet Your Needs

Agri-Aide® Ventilation from Osborne brings you solutions based on over 40 years of practical experience in creating comfortable, productive animal environments. We offer equipment options to match any ventilation requirement and each component is built to provide long-lasting, trouble-free service.

Fresh air is vital to the health of your animals, your staff and the financial health of your business. You can count on our experience with all types of buildings and animals to help you develop a complete ventilation plan or improve or maintain your existing system. Whatever your needs, we can deliver an integrated combination of exhaust fans, fresh air inlets, circulation fans, and reliable automatic controls that perfectly match your building.

### Ventilation Components

- Slant-Wall Exhaust Fans
- Wind Diverters
- Super-Jet™ Circulation Fans
- Roof Cupolas
- Auto-MAX® Ceiling and Wall Inlets
- PVC Shutters
- Controls

Research with our air movement laboratory, field tests, and our collaboration with leading universities have enabled us to harness state-of-the-art technology and offer you an efficient combination of ventilation components. Let us show you how we can simultaneously improve the air quality in your buildings and reduce your operating costs.

## Slant-Wall Fans

The design of Osborne's slant-wall fans expels condensation from buildings and keeps interior walls free from obstructions. These quiet, efficient and durable fans come in a full range of sizes and CFM ratings to perfectly match your applications. Exclusive Osborne RTM-Glas™ fiberglass housings maintain shape and rigidity over time, unlike inexpensive poly housings that warp or heat sag.

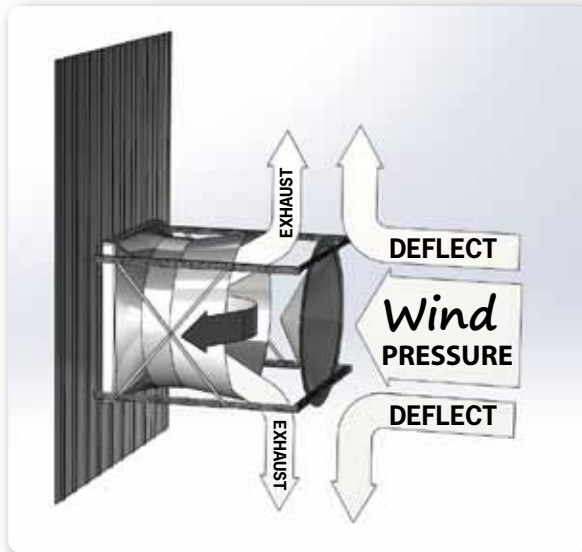


**Slant-Wall Fan Specifications**

Catalog Number	Fan Type	Normal Speed (RPM)	Voltage (volts)	Power		Fan Diameter		Recommended Time Delay Fused Switch		Shipping Weight		0.125 in. w.g.
				HP	kW	in	mm	120V	240V	lbs	kg	cfm
FV-SW0801V	Variable Speed	1725	120/240	1/25	0.03	8	203	3A	2A	19	8.6	97
FV-SW0802V	Variable Speed	1725	120/240	1/25	0.03	8	203	3A	2A	19	8.6	117
FV-SW1203V	Variable Speed	1725	120/240	1/25	0.03	12	305	3A	2A	31	14.1	393
FV-SW1207V	Variable Speed	1725	120/240	1/25	0.03	12	305	3A	2A	31	14.1	723
FV-SW1211V	Variable Speed	1725	120/240	1/6	0.12	12	305	4A	2A	35	15.9	1221
FV-SW1619V	Variable Speed	1725	120/240	1/6	0.12	16	406	4A	2A	45	20.4	2039
FV-SW1624V	Variable Speed	1725	120/240	1/4	0.19	16	406	8A	4A	49	22.2	2540
FV-SW2030V	Variable Speed	1725	120/240	1/4	0.19	20	508	8A	4A	60	27.2	3026
FV-SW2045V	Variable Speed	1725	120/240	1/2	0.37	20	508	14A	7A	64	29.0	4352
FV-SW2460V	Variable Speed	1725	120/240	1/2	0.37	24	610	14A	7A	74	33.6	5741
FV-M3611V	Variable Speed	850	120/240	1/2	0.37	36	914	14A	7A	148	67.1	7765

**Slant-Wall and Flushmount Fan Replacement Motors**

Motor Model	For Use on Osborne Fan Model	Motor Model	For Use on Osborne Fan Model
KV-REM1000	SW0801V, SW0802V, SW1203V, SW1207V	REM-5100	SW2045V, SW2060V
REM-3100	SW1211V, SW1619V	REM-5200	FM3611V
REM-4100	SW1624V, SW2030V		



## Wind Diverter Kits

Wind can slow or stall exhaust fans, seriously affecting ventilation rates. This wind pressure problem can be especially severe in winter months when small or variable speed fans are operating at low speed. Adding a wind diverter greatly reduces wind pressure without interfering with exhaust rates in still air. Universal brackets fit any fan size or make! Osborne wind diverters are made of ultra-strong, RTM-Glas™ fiberglass reinforced plastic.

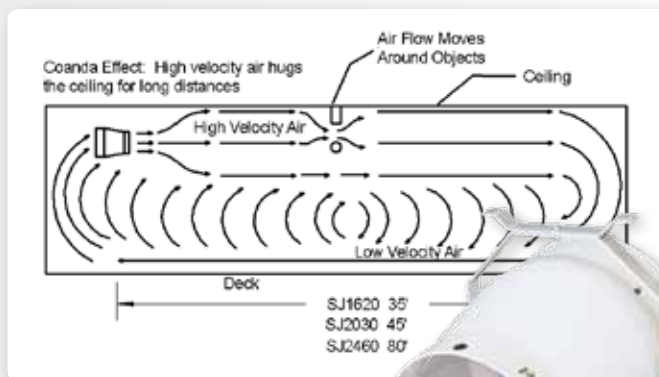


### Wind Diverter Specifications

Catalog Number	Wind Diverter Diameter in   mm	Largest Round Fan Hood Protected in   mm	Largest Square Fan Hood Protected in   mm	Shipping Weight lbs   kg
FV-WDK008	11.75   298	9.75   248	6.75   171	4.0   1.8
FV-WDK012	17.00   432	15.00   381	10.50   267	5.0   2.3
FV-WDK016	22.00   559	20.00   508	14.00   356	6.0   2.7
FV-WDK020	25.00   635	23.00   584	16.25   413	8.0   3.6
FV-WDK024	29.00   737	27.00   686	19.00   483	12.0   5.4
FV-WDK036	40.00   1016	38.00   965	26.75   679	24.0   10.9
FV-WDK058	58.00   1473	56.00   1422	41.00   1041	75.0   32.0

## Super-Jet™ Circulation Fans

Osborne Super-Jet fans power move air throughout buildings by creating a jet stream of beneficial air. Because of their super-circulation capacity, large, power-hungry, floor or basket fans are not necessary. These fans provide the proper mixture of barn air allowing a uniform amount of fresh air to reach each animal. Year around, Super-Jets help keep temperatures uniform, which encourages proper dunging patterns. Manufactured with rigid Osborne RTM-Glas™ fiberglass orifice housings, Super-Jets will not warp or heat sag, even after years of operation!



**High jet velocity** creates a jet-stream of beneficial air movement far greater than the Super-Jet's own output, as shown above. Proper mixture means fresh air is uniformly available—"dead air" is eliminated!



**Super-Jet™ Fan Specifications**

Catalog Number	Fan Type	Normal Speed (RPM)	Voltage (volts)	Power		Fan Diameter		Recommended Time Delay Fused Switch		Shipping Weight	
				HP	kW	in	mm	120V	240V	lbs	kg
FV-S1620V	Variable Speed	1725	120/240	1/6	0.12	16	406	4A	2A	33	15
FV-S2030V	Variable Speed	1725	120/240	1/4	0.19	20	508	8A	4A	44	20
FV-S2460V	Variable Speed	1725	120/240	1/2	0.37	24	610	14A	7A	58	26.3



### OSHA-compliant stainless steel blade guards and motor mounts

provide added protection for sensitive applications where safe and sterile working conditions must be maintained. Non-porous fiberglass-reinforced housings and corrosion-resistant components provide the safest solution for expelling condensation. Check out the Super-Jet Specification Sheet for complete specifications!



## Roof Cupolas

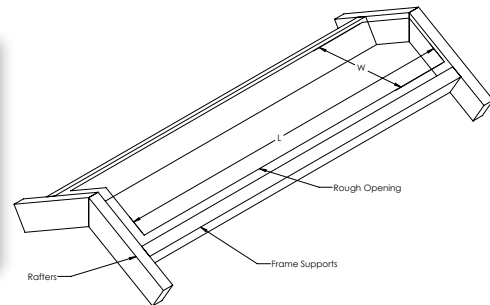
The FC3000 fiberglass roof cupola provides an effective way to provide attic or loft air for all types of small animal facilities. Molded from Osborne's RTM-Glas™ fiberglass reinforced plastic, the cupola can be used for either an air inlet or as an air outlet and readily stands up to harsh outdoor elements. It resists the entry of snow or wind-blown rain, and includes a plastic screen over the air passages to prevent bird entry.



**Roof Cupola Specifications**

Catalog Number	Application	Rough-In Dimensions in   mm		Maximum Airflow		Shipping Weight	
		W	L	CFM	m³/h	lbs	kg
FV-FC3000	Intake or Exhaust	12   305	46   1168	3000	5098	40	18.1

**Metal Roof Cupolas** provide an inexpensive and effective way to provide attic or loft air and are also available from Osborne. Construction is wood and galvanized steel with a white enamel exterior finish. Call Osborne Customer Service for more information on the Metal Roof Cupolas.



## Auto-MAX® Ceiling Inlets

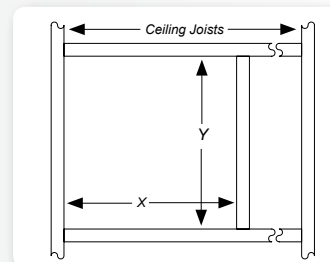
Unlike four-sided quad inlets, Auto-MAX inlets provide unobstructed 360° delivery of fresh air so animals never suffer. Precalibrated at the factory, absolutely no adjustments are required – ever! Our inlets automatically distribute a controlled flow of fresh air without drafts in the winter and make smooth, healthy transitions during spring and fall weather changes. No other inlets match Auto-MAX performance.



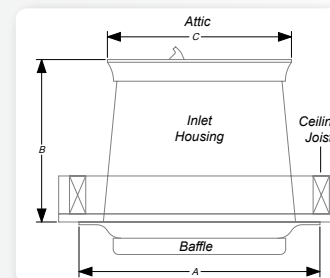
### Auto-MAX® Ceiling Inlet Specifications

Catalog Number	Rough Opening* in   mm		Overall Dimensions in   mm			Shipping Weight	
	X	Y	A (sq)	B	C (dia)	lbs	kg
FV-CI1500	20.25   514	20.25   514	22.25   565	15   381	17   432	10	4.5

\* A 17.25" (439 mm) diameter hole can be the rough opening for ceilings made of wood or comparable type smooth material capable of holding a screw.



Osborne Auto-MAX® inlets for hallways are also available, made of corrosion-resistant structural foam for long, trouble-free service. Contact Osborne Customer Service for more information and specifications.





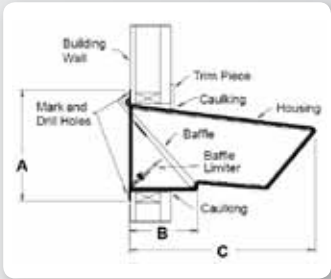
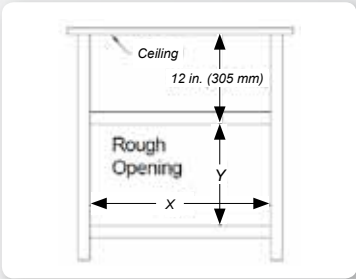
## Auto-MAX® Wall Inlets

Like the ceiling inlet, Auto-MAX wall inlets feature a fully automatic air delivery system that automatically adjusts to exhaust rates. Shipped fully calibrated and ready for installation, our wall inlets are made of durable, corrosion-resistant components with rigid, all-weather RTM-Glas™ fiberglass-reinforced composite housings, designed to offset wind pressure and expel exterior moisture and condensation. Get years of trouble-free service with Auto-MAX!



Auto-MAX® Wall Inlet Specifications							
Catalog Number	Rough Opening* in   mm		Overall Dimensions in   mm			Shipping Weight	
	X	Y	A	B	C	lbs	kg
FV-WI1500	22.5   527	12.75   324	26.75   680	22.5   570	12.75   320	10	4.5

Auto-MAX Inlet Performance	
Inlet Model	Maximum Air Flow (at 0.125 in. w.g.)
Ceiling Inlet (previous page)	1127 CFM
Wall Inlet (current page)	647 CFM



## PVC Shutters

Osborne's affordable all plastic shutters are perfect for replacing old metal shutters. Designed under Osborne's strict ventilation guidelines, the shutters are made of tough, exterior grade PVC blades and frames with fiberglass pivot rods. There is absolutely nothing on these shutters to corrode. Other PVC shutters, both square or rectangular, can be *custom built to any specification*.



PVC Shutter Specifications					
Part Number	Fits Square		Part Number	Fits Square	
	in	mm		in	mm
KV-PS0011*	11	279	KV-PS0027	27	686
KV-PS0012	12	305	KV-PS0028*	28	711
KV-PS0013	13	330	KV-PS0029	29	737
KV-PS0014	14	356	KV-PS0030	30	762
KV-PS0015	15	381	KV-PS0032	32	813
KV-PS0016*	16	406	KV-PS0034	34	864
KV-NPS016*	16	406	KV-PS0036	36	914
KV-PS0017	17	432	KV-PS0375*	37.5	953
KV-PS0018	18	457	KV-PS0038	38	965
KV-PS0019	19	483	KV-PS0040	40	1016
KV-PS0020	20	508	KV-PS0042	42	1067
KV-PS0021*	21	533	KV-PS0044	44	1118
KV-NPS021*	21	533	KV-PS0046	46	1168
KV-PS0022	22	559	KV-PS0048	48	1219
KV-PS0023	23	584	KV-PS0050	50	1270
KV-PS0024	24	610	KV-PS0052	52	1321
KV-PS0025*	25	635	KV-PS0054	54	1372
KV-PS0026	26	660			

**NOTE:** Starred (\*) shutters fit standard Osborne Slant-Wall or Flushmount fans. Other sizes of shutters are made to order. Request availability and price for special sizes from Osborne Customer Service.

# Ventilation

## Thermostat & Single Fan Control



### Single stage heating and cooling thermostat (SSTW)

#### Specifications:

- 16 Amps at 120 V
- 12 Amps at 240 V
- 40° - 100° F (4° - 38° C) range
- Water-tight corrosion-resistant NEMA enclosure

**Catalog #:** FE-00SSTW



### Manual Motor Speed Control

When used with the thermostat, many variations of control mode can be designed by Osborne.

#### Specifications:

- MSCS-115: 8 Amps at 120 V
- MSCS-230: 6 Amps at 240 V

**Catalog #:** FE-00MSCS-115 & FE-00MSCS-230

## Multiple Fan Controls



The **AV-11 Variable Speed Fan Control** cold starts motors at full speed. This means full fan horsepower overcomes fan and shutter inertia and avoids fan start-up stalling or cold weather freeze-ups. Controls many fans with the same horsepower.

#### Specifications:

- 120/240 V, 11 Amps
- 35° - 95° F (2° - 35° C) range
- Minimum speed adjustment range 20% - 100%

**Catalog #:** FE-00AV11



The family of **e-VENT™ Controls** can regulate cooling, circulation, heating and curtains all in one control. Pay for only the features you need. Osborne Customer Service can assist in determining requirements.

#### Specifications:

- 115/230 VAC, 10 Amps
- 32° - 112° F (0° - 44° C) range

**Catalog #:** Call Osborne Customer Service to determine specifications.



*Call us today to learn more about Osborne  
Ventilation Equipment for all small animal facilities!*



**OSBORNE®**

**WORLD  
HEADQUARTERS**

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