Note: Protective cage removed

to show product.



Improve Your Winter Ventilation!

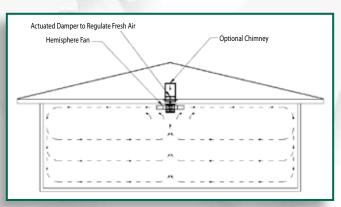
Control the Wind[™] with the VAL-CO[®] Hemisphere[®] Mixing Fan

- VAL-CO proprietary technology developed for whole house air mixing.
- Two sizes, 48" and 72" diameters, cover a wide range of applications.
- Ideal for layer pullet, layer, and floor bird applications.
- VAL-CO's innovative design dramatically reduces temperature variations in the facility by moving a large volume of air with minimal drafts.
 - Growers report *down to* 2 degrees of temperature difference throughout layer and pullet houses.
 - Growers report more than 10% improvement in manure belt moisture removal.
 - Growers report more than $1/_2$ LB/100 improved feed conversion.
- Large diameter rotors (48" & 72") and slower rotation promotes quiet operation that does not disturb birds.
- **Controls circulation** through the entire building volume with minimal dead spots, improving heat distribution considerably.
- Optional *dampered* air inlet introduces air from attic or outside.
 - Controls fresh air inlet volume.
 - Provides a method to mix the warmest air in the house with fresh outside air before contacting the birds; significantly reducing drafts and cold zones during minimum ventilation.
 - Can eliminate the need for other inlets during initial stages of minimum ventilation.
 - House winter air exchange required determined by moisture and CO2 requirements.
- Exhaust fan efficiency improves and electrical load reduced due to very low static pressure operation.
- Robust design and materials ensure years of trouble free operation.
- Precision machined hub keeps rotor turning true.
- Optional VFD controls for variable speed operation available. (Ideal for pullets.)
- System can be interfaced with existing whole house controls.



Performance You Can Count On

This diagram shows the airflow pattern of this proprietary technology.





VFD Controls for variable speed operation

Chimney Kits and VFD Controls

Item No.	Description
Chimney Kits	
812245	24" Chimney Kit, for Attic
812265	24" Chimney Kit, w/ Dome, Bird Netting & Flashing
812365	36" Chimney Kit, for Attic
812385	36" Chimney Kit, w/ Dome, Bird Netting & Flashing
VFD Controls	
921185	2HP VFD Panel; 200-230V, 1PH/3PH, 50/60Hz
921184	5HP VFD Panel; 230V, 1PH/3PH, 60Hz
921186	10HP VFD Panel; 230V, 3PH, 60Hz
921187	10HP VFD Panel; 380-480V, 3PH, 60Hz



Chimney

Hemisphere Fan Models

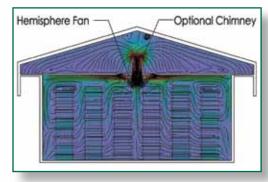
CFM (est.)	HP	Frequency (Hz)	Phase	Voltage	Weight (lbs.)	VFD Controllable
23,000	1.0	60	1	115/230	300	Ν
32,000	1.5	60	1	115/ 208-230	300	N
23,000	1.0	60	3	208- 230/460	300	Y
32,000	1.5	60	3	208- 230/460	300	Y
27,000	1.5	50	3	190/380	300	Y
45,500	1.5	60	1	115/- 208-230	500	Ν
45,500	1.5	60	3	208- 230/460	400	Y
59,500	3	60	3	208- 230/460	550	Y
57,500	2	50	3	190/380	550	Y
	CFM (est.) 23,000 32,000 23,000 23,000 32,000 27,000 45,500 45,500 59,500	CFM (est.) HP 23,000 1.0 32,000 1.5 23,000 1.5 23,000 1.0 32,000 1.5 23,000 1.5 23,000 1.5 45,500 1.5 45,500 1.5 59,500 3	CFM (est.) HP Frequency (Hz) 23,000 1.0 60 32,000 1.5 60 23,000 1.0 60 23,000 1.0 60 23,000 1.0 60 23,000 1.0 60 23,000 1.5 60 32,000 1.5 60 32,000 1.5 60 45,500 1.5 60 45,500 1.5 60 59,500 3 60	CFM (est.) HP Frequency (Hz) Phase 23,000 1.0 60 1 32,000 1.5 60 1 23,000 1.5 60 1 23,000 1.5 60 3 23,000 1.0 60 3 23,000 1.5 60 3 22,000 1.5 60 3 32,000 1.5 60 3 45,500 1.5 60 1 45,500 1.5 60 3 59,500 3 60 3	CFM (est.)HPFrequency (Hz)PhaseVoltage23,0001.0601115/23032,0001.5601 $\frac{115}{208-230}$ 23,0001.0603 $\frac{208}{230/460}$ 32,0001.0603 $\frac{208}{230/460}$ 32,0001.5603 $\frac{208}{230/460}$ 45,5001.5601 $\frac{115}{208-230}$ 45,5001.5603 $\frac{208}{230/460}$ 59,5003603 $\frac{208}{230/460}$	CFM (est.)HPFrequency (Hz)PhaseVoltageWeight (lbs.)23,0001.0601115/23030032,0001.5601 $\frac{208}{208-230}$ 30023,0001.0603 $\frac{208}{230/460}$ 30032,0001.5603 $\frac{208}{230/460}$ 30032,0001.5603 $\frac{208}{230/460}$ 30032,0001.5603 $\frac{208}{230/460}$ 30045,5001.5601 $\frac{115/}{208-230}$ 50045,5001.5603 $\frac{208}{230/460}$ 40059,5003603 $\frac{208}{230/460}$ 550

Protected under U.S. Patent No. 9,163,639 B2 & U.S. Patent No. 9,829,003 B2



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** FL Amps 14/7



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