

New York Air Valve Corporation

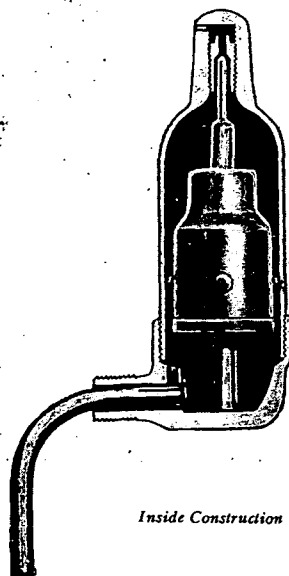
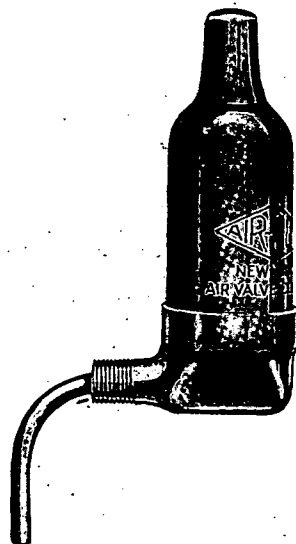
476-478 Broome Street
New York

THE "AIR-OUT" LINE

SYPHON THERMOSTATIC NON-ADJUSTABLE

"Air-Out" valves, for eliminating air from steam radiators, operate by the expansion of a phosphor bronze diaphragm, soldered on the bottom of a brass float, containing a volatile liquid. This float is large in size, allowing ample capacity for the necessary pressure to operate the diaphragm.

The seating pin at the top of float is made from nickel silver, as called for in United States Government specifications for Air Valves. Verdigris will not form on nickel silver—corrosion at the vent post is therefore reduced to a minimum.



Inside Construction

We do not use a "stamped out" base. Our bases are heavy bronze castings, in one piece, with no soldered parts to break off.

Made also in straight pattern, threaded $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{3}{4}$ in. for quick venting of cellar mains and risers.

The best valve money and experience can produce and sold at reasonable prices.

OTHER SPECIALTIES

Carbon Post Automatic Air Valves.
Key and Wood Wheel Air Valves.
Adjustable Floor and Ceiling Plates.
Steam and Altitude Gauges.
Water Gauges.
Pop Safety Valves.

"Air-Out" Valves Guaranteed for Five Years

W. F. Hirschman Co., Inc.

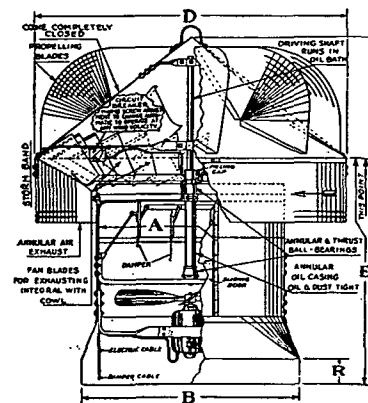
Main Office: Buffalo, N.Y. Works: Le Roy, N.Y.
NEW YORK, N. Y., 205 East 42nd St. PHILADELPHIA, PA., 1338 Spring Garden St. BALTIMORE, Md., 330 St. Paul Place
BOSTON, MASS., 37 Pearl St. CHICAGO, ILL., 2539 East 73rd St. DETROIT, Mich., 97 W. Warren Ave.
MANUFACTURERS ROOF VENTILATORS

Principle of Operation of Wind-Electric Ventilator—When the wind is blowing sufficiently to remove the desired amount of air from the building being ventilated, the electric motor is still. Instantly, when the wind turbine moves below a previously determined number of revolutions, the electric motor starts automatically and carries the load. The entire apparatus is noiseless.

Special Advantages—Besides the regular automatic operation the motor may also be so connected as to give a maximum exhaust capacity (running full speed) by manual control.



Effco Rotary Ball Bearing Ventilator Installation, Wind Driven (only) The Effco Wind Electric Also Has the Same Artistic Lines and Pleasing Appearance. Lowest in Height of Rotary Ventilators by Over 60 per cent Average.



Detail of Effco Wind Electric Rotary Ball Bearing Ventilator Full Automatic

NOTE.—Details of Wind Driven (only) Ventilator are identical with Exception of Motor Unit.

CAPACITIES OF EFFCO ROTARY BALL BEARING VENTILATORS

Both Wind Electric and Wind Driven (only)—Cubic Feet of Air Exhausted per Minute

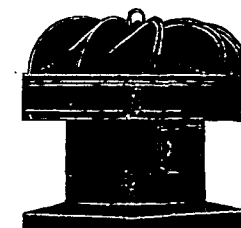
Wind Velocity, Miles per Hour	Temperature Difference in Degrees Fahrenheit in Building and Outside											
	Bold Type is Regularly Furnished Wind-Electric Capacity											
	0	10	20	30	0	10	20	30	0	10	20	30
5	12-In. Ventilator				18-In. Ventilator				24-In. Ventilator			
	350	440	515	560	600	850	950	1040	1020	1600	1780	1900
10	430	525	600	625	910	1050	1200	1300	1490	1900	2100	2300
5	30-In. Ventilator				36-In. Ventilator				42-In. Ventilator			
	1560	2300	2690	2900	2300	3400	3810	4100	3150	4500	5010	5500
10	2300	3210	3490	3600	3250	4200	4720	5050	4390	5700	6300	6800
5	48-In. Ventilator				54-In. Ventilator				60-In. Ventilator			
	4000	5900	6700	7400	5100	7300	8450	9500	6500	9300	10600	11900
10	5900	7900	8900	9050	7850	9900	11000	11500	9200	12500	14000	14500

Effco Wind Electric Ventilator Dimensions

Ventilator Sizes Corresponding to Those in Table Opposite	Dimensions in Inches—(See Diagram Above)					Thickness of Metal		Hp. of Motor
	A	B	C	D	E	Gauge G. I.		
	Actual Size of Ventilator for Wind Elec. Type	Base	Height of Blades	Diam. of Storm Band	Height to Propeller Blades	Cowl	Base	
12	14	20	8	21 1/4	32	24	22	1/30
18	19	26	10	28 1/2	32	24	22	
24	25	38	14	40	40	24	20	
30	31	40	14	50	42	24	20	1/6
36	37	44	18	60	45	22	18	
42	43	50	22	68	51	22	18	
48	49	56	24	76	51	22	18	1/4
54	55	62	24	86	51	22	18	
60	61	66	24	98	55	22	18	

This apparatus is adjustable to exhaust various quantities of air within the limits of given sizes and is regularly supplied at capacities of 5 miles per hour wind and 10 deg. temperature difference rating. The Wind Electric will exhaust minimum volume regardless of temperature difference or wind velocity. Other capacity can be supplied and the ventilator is adjustable to any constant capacity after installation.

For F Electric Ventilator Non-Automatic see second page following:



Effco Wind-Electric Ventilator, Automatic

Patented May 20, 1922; March 20, 1928; August 21, 1928.

The Effco Wind Electric Ventilator, Full Automatic

Recommended for those installations which require a definite minimum exhaust at all times or which may require an unusually heavy exhaust at intermittent periods. This is the regular Effco equipped with an auxiliary electrically operated fan placed in the ventilator throat just below the regular fan. The throat is slightly enlarged to allow for the motor.