



# GalvaXhauster

## Data Sheet

### General Characteristics of Aluminum Turbine, GalvaXhauster.

Our Turbo Atmospheric GalvaXhauster VentDepot is Designed to extract large and medium volumes of air.

It's optimal operation is at a height greater than 7 meters.

Made of DuraPaint Sheet, which has a process of Zinc-based electrochemical galvanizing, subsequently for to increase durability, we give each unit a finish of solvent-based alkyd enamel.

It operates with winds of 3 km/hr and thermal differential of 3 °C.

Stainless Steel Bearing with stainless bullets and pre-lubricated.

Embedded bushing, for longer life. Recommended for heights greater than 5 m and for areas not salt flats or coasts.

It's flat base with easily attaches to any type of roof up to 3 inches can't, simply cutting with sheets scissors and folding with your hand and/or rubber hammer.

### Application of Aluminum Turbine, GalvaXhauster.

Extracts: Heat, smoke, odors, solvents and gases.  
 For use in: General ventilation in warehouses, industrial warehouses, workshops, warehouses factories, etc.

### Warranty of Aluminum Turbine, GalvaXhauster.

Manufacturer's Limited Warranty: 3 Years.



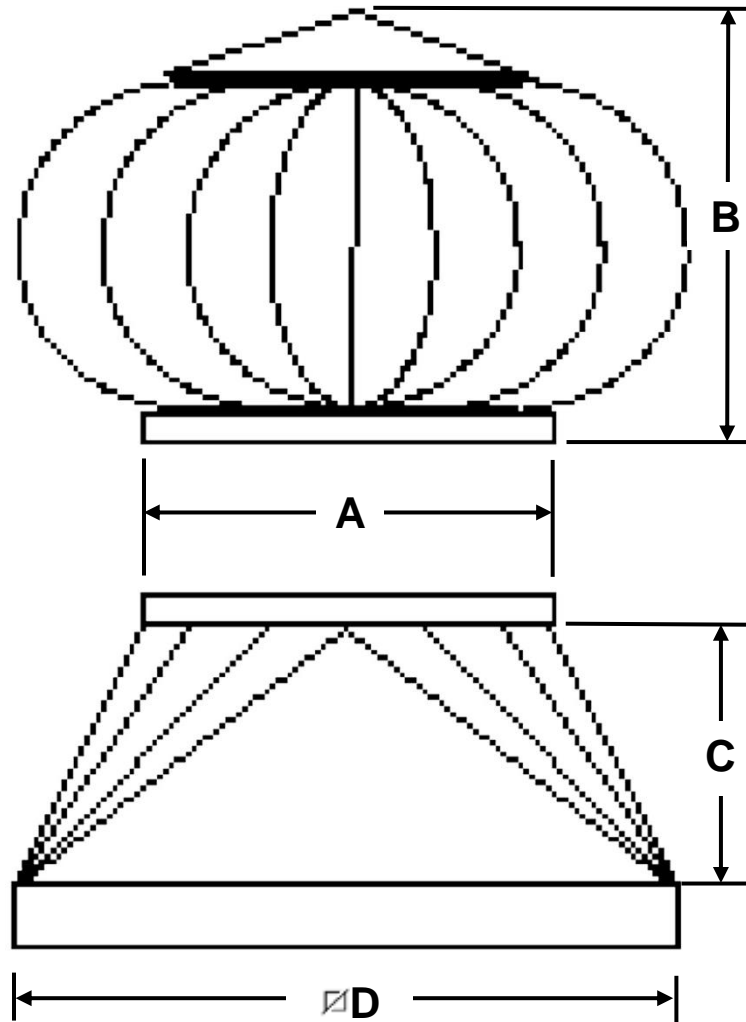
### Thechnical Characteristics of Aluminum Turbine, GalvaXhauster

Item #	Dimensions		Cubic feet per minute at 90 °F internal temperature and 90 °F external temperature		Material	Finish	Included Base*	Weight and Shipping Size	
	Ø in	Ø mm	CFM	m³/hr				Lbs.	In.
<b>USGEX-001</b>	12	305	822	1398	Aluminum	Orange	Turbine and base	11	14x14x26
<b>USGEX-002</b>	14	356	1051	1788	Aluminum	Orange	Turbine and base	15	14x14x30
<b>USGEX-003</b>	16	406	1214	2064	Aluminum	Orange	Turbine and base	20	18x18x39
<b>USGEX-004</b>	18	457	1510	2568	Aluminum	Orange	Turbine and base	22	18x18x42
<b>USGEX-005</b>	20	508	1816	3088	Aluminum	Orange	Turbine and base	24	24x24x45
<b>USGEX-006</b>	24	610	2628	4469	Aluminum	Orange	Turbine and base	31	24x24x53
<b>USGEX-007</b>	30	762	3021	5136	Aluminum	Orange	Turbine and base	49	30x30x53
<b>USGEX-008</b>	34	864	4521	7687	Aluminum	Orange	Turbine and base	55	36x36x55
<b>USGEX-009</b>	36	914	5860	9962	Aluminum	Orange	Turbine and base	60	36x36x55
<b>USGEX-010</b>	40	1016	6563	11157	Aluminum	Orange	Turbine and base	73	41x41x55



### Dimensions (mm. & In.) of Aluminum Turbine GalvaXhauster

Item #	A		B		C		∅D	
	mm.	In.	mm.	In.	mm.	In.	mm.	In.
<b>USGEX-001</b>	305	12	350	14	320	13	360	14
<b>USGEX-002</b>	356	14	450	18	320	13	360	14
<b>USGEX-003</b>	406	16	640	25	350	14	460	18
<b>USGEX-004</b>	457	18	720	28	350	14	460	18
<b>USGEX-005</b>	508	20	800	32	350	14	610	24
<b>USGEX-006</b>	610	24	930	37	410	16	610	24
<b>USGEX-007</b>	762	30	930	37	410	16	780	31
<b>USGEX-008</b>	864	34	940	37	410	16	914	36
<b>USGEX-009</b>	914	36	950	37	410	16	914	36
<b>USGEX-010</b>	1016	40	960	38	410	16	1016	40





### Detail of Bases of the Atmospheric Extractor

The base must be cut at the time of installation, giving it the following shapes.



### Assembly of the Atmospheric Extractor

- Drill a hole in the ceiling with the following dimensions (mm):
- Later fix with rivets and/or pins with gaskets.
- Waterproof all joints.
- VentDepot Team assembles, installs or maintains any of our equipment, quickly, safely and in accordance with industrial standards.



Clave	∅A
<b>USGEX-001</b>	300
<b>USGEX-002</b>	350
<b>USGEX-003</b>	400
<b>USGEX-004</b>	450
<b>USGEX-005</b>	500
<b>USGEX-006</b>	600
<b>USGEX-007</b>	750
<b>USGEX-008</b>	850
<b>USGEX-009</b>	900
<b>USGEX-010</b>	1000

### Formula for Calculating Extraction of the Atmospheric Extractor, GalvaXhauster.

From the following formulas, choose the corresponding GalvaXhauster formula.

**USGEX-001** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 0.86$$

**USGEX-002** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 1.10$$

**USGEX-003** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 1.27$$

**USGEX-004** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 1.58$$

**USGEX-005** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 1.90$$

**USGEX-006** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 2.75$$

**USGEX-007** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 3.16$$



**USGEX-008** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 4.73$$

**USGEX-009** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 6.13$$

**USGEX-009** use the following formula:

$$\text{Extraction}^* = (0.818 + [0.0303 \times A]) \times (121.5 + [103.4 \times V] + [11.6 \times G] + [5.6 \times T]) \times 7.6$$

A= Height in meters.

V= Wind Speed in km/hr.

\*The air extraction capacity is given in m<sup>3</sup>/hr.

G= Thermal Gradient in °C., that is, (Interior Temp.-Exterior Temp.)

T= Regional Temperature in °C.

### Extraction Capacity of the Atmospheric Extractor.

#### USGEX -001

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	808*	828	848	858	878	898
	9	992	1011	1031	1041	1061	1081
	11	1175	1195	1214	1224	1244	1264
	13	1358	1378	<b>1398</b>	1408	1427	1448
	15	1541	1561	1581	1591	1611	1630
	17	1724	1744	1764	1774	1794	1814
	18	1816	1836	1856	1866	1885	1905

#### USGEX -002

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	1034*	1059	1085	1097	1123	1148
	9	1268	1294	1319	1332	1357	1383
	11	1503	1528	1553	1566	1591	1617
	13	1737	1762	<b>1788</b>	1800	1826	1851
	15	1971	1997	2022	2035	2060	2085
	17	2206	2231	2256	2269	2294	2320
	18	2323	2348	2374	2386	2412	2437

#### USGEX -003

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	1194*	1223	1252	1267	1296	1326
	9	1464	1494	1523	1538	1567	1596
	11	1735	1764	1793	1808	1837	1867
	13	2005	2035	<b>2064</b>	2079	2108	2137
	15	2276	2305	2335	2349	2378	2408
	17	2546	2576	2605	2620	2649	2678
	18	2682	2711	2740	2755	2784	2814

#### USGEX -004

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	1485*	1522	1558	1576	1613	1649
	9	1822	1858	1895	1913	1949	1986
	11	2158	2195	2231	2249	2286	2322
	13	2495	2531	<b>2568</b>	2586	2622	2659
	15	2831	2868	2904	2923	2959	2996
	17	3168	3204	3241	3259	3296	3332
	18	3336	3373	3409	3427	3464	3500

### Capacidad de Extracción

#### USGEX -005

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	1786*	1830	1874	1896	1939	1983
	9	2191	2235	2278	2300	2344	2388
	11	2595	2639	2683	2705	2749	2793
	13	3000	3044	<b>3088</b>	3110	3154	3197
	15	3405	3449	3493	3515	3558	3602
	17	3810	3854	3897	3919	3963	4007
	18	4012	4056	4100	4122	4165	4209

#### USGEX -006

		Region Temperature ( °C )					
		12	16	20	22	26	30
Vel. Viento (Km/Hr)	7	2585*	2648	2712	2744	2808	2870
	9	3171	3234	3298	3329	3393	3456
	11	3757	3820	3883	3915	3979	4042
	13	4342	4406	<b>4469</b>	4501	4564	4628
	15	4928	4992	5055	5087	5150	5214
	17	5514	5577	5641	5673	5736	5800
	18	5807	5870	5934	5966	6029	6092



# GalvaXhauster

## Data Sheet

### USGEX -007

#### Region Temperature ( °C )

12 16 20 22 26 30

Vel. Viento (Km/Hr)	7	2970*	3043	3116	3153	3225	3298
	9	3643	3716	3789	3826	3899	3972
	11	4317	4390	4462	4499	4572	4645
	13	4990	5063	<b>5136</b>	5172	5245	5318
	15	5663	5736	5809	5845	5918	5991
	17	6336	6409	6482	6518	6591	6664
	18	6673	6746	6818	6855	6928	7001

### USGEX -008

#### Region Temperature ( °C )

12 16 20 22 26 30

Vel. Viento (Km/Hr)	7	4446*	4555	4664	4719	4828	4937
	9	5454	5563	5672	5726	5836	5945
	11	6461	6570	6680	6734	6843	6952
	13	7469	7578	<b>7687</b>	7742	7851	7960
	15	8476	8586	8695	8749	8858	8968
	17	9484	9593	9702	9757	9866	9975
	18	9988	10097	10206	10261	10370	10479

### USGEX -009

#### Region Temperature ( °C )

12 16 20 22 26 30

Vel. Viento (Km/Hr)	7	5762*	5903	6045	6116	6257	6398
	9	7068	7209	7351	7421	7563	7704
	11	8374	8515	8657	8727	8869	9010
	13	9680	9821	<b>9962</b>	10033	10175	10316
	15	10985	11127	11268	11339	11480	11622
	17	12291	12433	12574	12645	12786	12928
	18	12944	13086	13227	13298	13439	13581

### USGEX -010

#### Region Temperature ( °C )

12 16 20 22 26 30

Vel. Viento (Km/Hr)	7	6453*	6611	6770	6849	7007	7165
	9	7916	8074	8233	8311	8470	8628
	11	9378	9536	9695	9774	9933	10091
	13	10841	10999	<b>11157</b>	11236	11396	11553
	15	12303	12462	12620	12699	12857	13016
	17	13765	13924	14082	14162	14320	14479
	18	14497	14656	14814	14893	15051	15210

ID	Author	Description Error	Description Update	Supervisor Name
V2	Marcela Roldán	Technical Sheet in Spanish	The Sheet is Translated into English	Jessica Lorenzo