

# COUGAR<sup>®</sup>

INDUSTRIES, INC.

## Turbine Vibrators

A Cost-Effective Solution to  
Material Flow Problems

American-Made



- Low Noise
- Durable Anodized Finish
- Compact Size
- Replaces any Brand of Ball or Turbine Vibrator
- Energy Efficient
- No Lubrication Required
- Sealed from Contaminates
- Wide Range of Sizes and Force Outputs Available

## Turbine Vibrators

## Specifications

Cougar® Industries presents a full line of energy-saving, adjustable, Turbine Vibrators. They offer efficient handling of bulk solids in a wide variety of applications from food processing and pharmaceuticals to heavy industrial. Turbine Vibrators maintain their speed and efficiency over time because their construction makes them lubrication-free. Unlike other vibrators, Turbine Vibrators operate at low noise levels to comply with OSHA Standards. Turbine design achieves low air consumption by maintaining a constant speed.

- Test data obtained using 5,000 lb. test block
- Frequency and force will decrease on a less rigid mount
- Decibel readings taken with muffler installed. Measured on (A) scale at 1 meter

Model	In Lbs.	30PSI			
		Force Lbs.	RPM	CFM	dB(A)
ATU-11	.001	35	35,000	.8	70
ATU-12	.002	36	25,000	.8	65
ATU-21	.008	131	24,000	1.4	67
ATU-22	.010	125	21,000	1.4	61
ATU-23	.019	121	15,000	1.4	59
ATU-31	.023	182	16,700	4.2	66
ATU-32	.028	167	14,500	4.2	65
ATU-33	.058	199	11,000	4.2	64
ATU-41	.061	254	12,100	5.6	66
ATU-42	.090	236	9,600	5.6	64
ATU-43	.192	—	—	—	—
ATU-51	.224	688	10,400	9.1	68
ATU-52	.340	748	8,800	9.1	69
ATU-53	.759	—	—	—	—
ATU-61	.608	920	7,300	12.2	65
ATU-62	.857	1,028	6,500	12.2	63
ATU-63	1.358	—	—	—	—



60 PSI				90 PSI			
Force Lbs.	RPM	CFM	dB(A)	Force Lbs.	RPM	CFM	dB(A)
50	42,000	1.5	71	58	45,000	1.8	72
70	35,000	1.5	67	98	41,500	1.8	70
204	30,000	2.6	71	263	34,000	3.7	73
215	27,500	2.6	64	273	31,000	3.7	68
165	17,500	2.6	61	216	20,000	3.7	62
316	22,000	6.4	67	425	25,500	8.9	69
334	20,500	6.4	67	477	24,500	8.9	70
371	15,000	6.4	68	459	16,700	8.9	69
472	16,500	9.4	67	679	19,800	13.0	69
575	15,000	9.4	66	739	17,000	13.0	67
746	11,700	9.4	67	994	13,500	13.0	68
1,159	13,500	15.3	74	1,431	15,000	21.1	77
1,211	11,200	15.3	74	1,632	13,000	21.1	78
1,149	7,300	15.3	70	1,557	8,500	21.1	72
1,307	8,700	20.3	72	1,625	9,700	28.2	78
1,597	8,100	20.3	74	1,971	9,000	28.2	77
1,209	5,600	20.3	74	1,531	6,300	28.2	78

Cougar® Industries patented the world's first 12-volt truck vibrator in 1964. Since that time, the Cougar name has become synonymous with exceptional products, workmanship and support. For the last 35 years, vibrators have been our only focus. Our heavy-duty vibrator lines, designed and manufactured in Illinois, reflect this ongoing commitment to provide our customers with the most rugged and reliable vibrators on the market today. Consider the Cougar advantage.

**Designed and Manufactured in America**

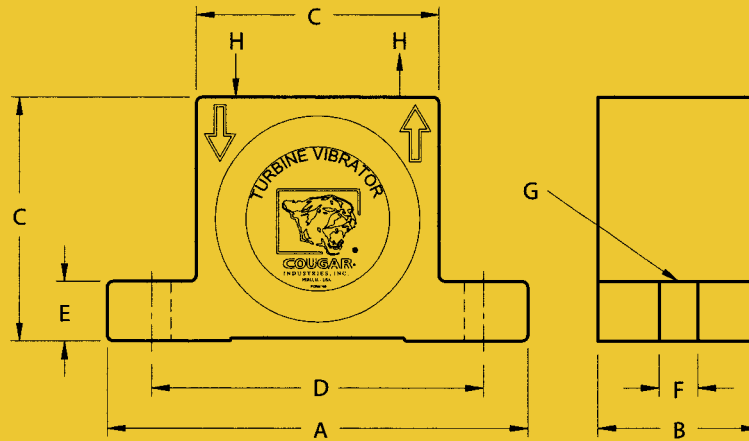


- Longer life – More value for your investment
- Lower operating costs – Uses 1/3 less air than ball vibrators
- No oil mist exhausted – Clean operating environment
- Force and frequency easily controlled – Versatile to many applications
- Anodized aluminum housing – Lightweight and approved for food and pharmaceutical applications

# Dimensions (Inch)

Model	Dimensions (Inches)						Bolt (In)	Port (NPT)	WGT
	A	B	C	D	E	F	G	H*	Lbs
ATU-11	2.74	1.10	1.57	2.20	.39	.281	1/4	1/8	.29
ATU-12	2.74	1.10	1.57	2.20	.39	.281	1/4	1/8	.30
ATU-21	3.50	1.32	2.00	2.63	.50	.313	1/4	1/8	.58
ATU-22	3.50	1.32	2.00	2.63	.50	.313	1/4	1/8	.60
ATU-23	3.50	1.32	2.00	2.63	.50	.313	1/4	1/8	.62
ATU-31	4.44	1.70	2.56	3.50	.63	.406	3/8	1/4	1.28
ATU-32	4.44	1.70	2.56	3.50	.63	.406	3/8	1/4	1.32
ATU-33	4.44	1.70	2.56	3.50	.63	.406	3/8	1/4	1.34
ATU-41	5.75	2.26	3.15	4.00	.63	.406	3/8	1/4	2.61
ATU-42	5.75	2.26	3.15	4.00	.63	.406	3/8	1/4	2.70
ATU-43	5.75	2.26	3.15	4.00	.63	.406	3/8	1/4	2.83
ATU-51	6.50	2.90	3.95	5.00	.83	.531	1/2	3/8	5.11
ATU-52	6.50	2.90	3.95	5.00	.83	.531	1/2	3/8	5.52
ATU-53	6.50	2.90	3.95	5.00	.83	.531	1/2	3/8	5.91
ATU-61	8.62	3.40	4.72	5.98	.94	.688	5/8	3/8	8.77
ATU-62	8.62	3.40	4.72	5.98	.94	.688	5/8	3/8	9.52
ATU-63	8.62	3.40	4.72	5.98	.94	.688	5/8	3/8	10.22

\*Will accept BSP



## About the Turbine...

The Cougar Turbine offers a cost-effective solution to material flow problems. The Turbine is built for long life and requires no lubrication.



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Specifications subject to change

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