

# 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 and Dimensions (Metric)

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 2300 kg 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

		2 Bar			
Model	kg cm	Force (N)	RPM	Ltr/Min	dB(A)
ATU-11	0.001	155	35,000	23	70
ATU-12	0.002	158	25,000	23	65
ATU-21	0.009	582	24,000	40	67
ATU-22	0.012	557	21,000	40	61
ATU-23	0.022	540	15,000	40	59
ATU-31	0.026	810	16,700	119	66
ATU-32	0.032	744	14,500	119	65
ATU-33	0.067	887	11,000	119	64
ATU-41	0.070	1,128	12,100	159	66
ATU-42	0.104	1,048	9,600	159	64
ATU-43	0.221	-----	-----	-----	-----
ATU-51	0.258	3,061	10,400	258	68
ATU-52	0.392	3,326	8,800	258	69
ATU-53	0.874	-----	-----	-----	-----
ATU-61	0.700	4,093	7,300	345	65
ATU-62	0.987	4,574	6,500	345	63
ATU-63	1.565	-----	-----	-----	-----





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**

4 Bar				6 Bar			
Force (N)	RPM	Ltr/Min	dB(A)	Force (N)	RPM	Ltr/Min	dB(A)
223	42,000	42	71	256	45,000	51	72
310	35,000	42	67	435	41,500	51	70
910	30,000	74	71	1,168	34,000	105	73
955	27,500	74	64	1,214	31,000	105	68
735	17,500	74	61	960	20,000	105	62
1,406	22,000	181	67	1,889	25,500	252	69
1,487	20,500	181	67	2,123	24,500	252	70
1,649	15,000	181	68	2,043	16,700	252	69
2,098	16,500	266	67	3,021	19,800	368	69
2,558	15,000	266	66	3,286	17,000	368	67
3,320	11,700	266	67	4,421	13,500	368	68
5,157	13,500	433	74	6,367	15,000	597	77
5,388	11,200	433	74	7,259	13,000	597	78
5,110	7,300	433	70	6,928	8,500	597	72
5,814	8,700	575	72	7,227	9,700	799	78
7,103	8,100	575	74	8,769	9,000	799	77
5,380	5,600	575	74	6,809	6,300	799	78

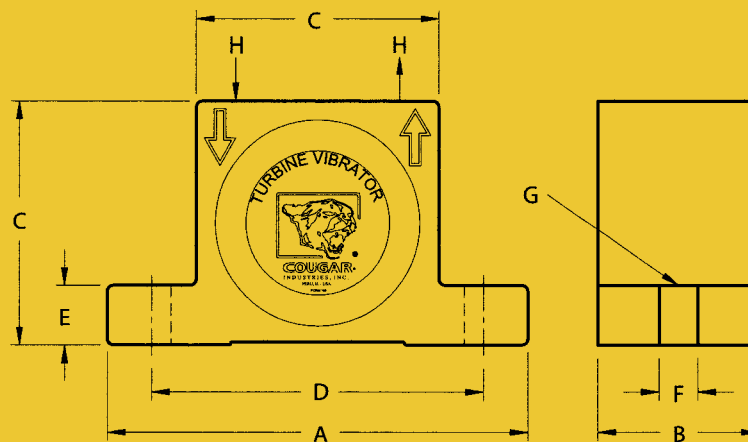


- Longer life – More value for your investment
- Lower operating costs – Uses 1/3 less air than ball vibrators
- No oil mist exhausted – Clean operating environment
- Force and frequency easily controlled – Versatile to many applications
- Anodized aluminum housing – Lightweight and approved for food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

## Dimensions (Metric)

Model	Dimensions (mm)						Bolt (mm) Port (NPT) WGT		
	A	B	C	D	E	F	G	H*	(kg)
ATU-11	70	28	40	56	10	7	6	1/8	.132
ATU-12	70	28	40	56	10	7	6	1/8	.136
ATU-21	89	34	51	67	13	8	6	1/8	.26
ATU-22	89	34	51	67	13	8	6	1/8	.27
ATU-23	89	34	51	67	13	8	6	1/8	.28
ATU-31	113	43	65	89	16	10	8	1/4	.58
ATU-32	113	43	65	89	16	10	8	1/4	.60
ATU-33	113	43	65	89	16	10	8	1/4	.61
ATU-41	146	57	80	102	16	10	8	1/4	1.18
ATU-42	146	57	80	102	16	10	8	1/4	1.22
ATU-43	146	57	80	102	16	10	8	1/4	1.28
ATU-51	165	74	100	127	21	13	10	3/8	2.32
ATU-52	165	74	100	127	21	13	10	3/8	2.50
ATU-53	165	74	100	127	21	13	10	3/8	2.68
ATU-61	219	86	120	152	24	17	16	3/8	3.98
ATU-62	219	86	120	152	24	17	16	3/8	4.32
ATU-63	219	86	120	152	24	17	16	3/8	4.64

\*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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