

COUGAR[®]

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

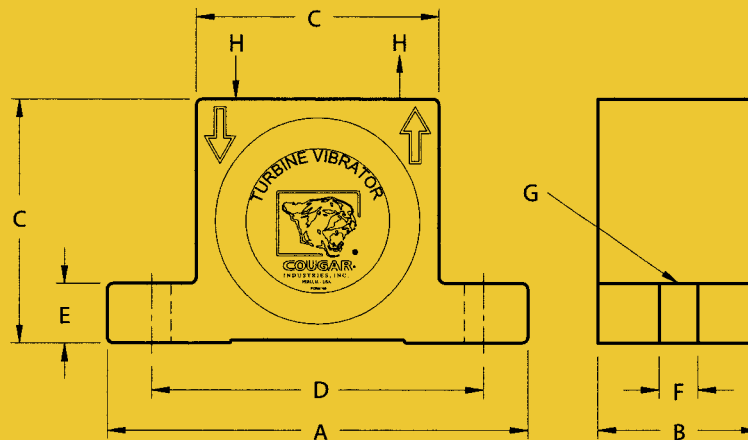


- Longer life – More value for your investment
- Lower operating costs – Uses 1/3 less air than ball vibrators
- No oil mist exhausted – Clean operating environment
- Force and frequency easily controlled – Versatile to many applications
- Anodized aluminum housing – Lightweight and approved for food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