

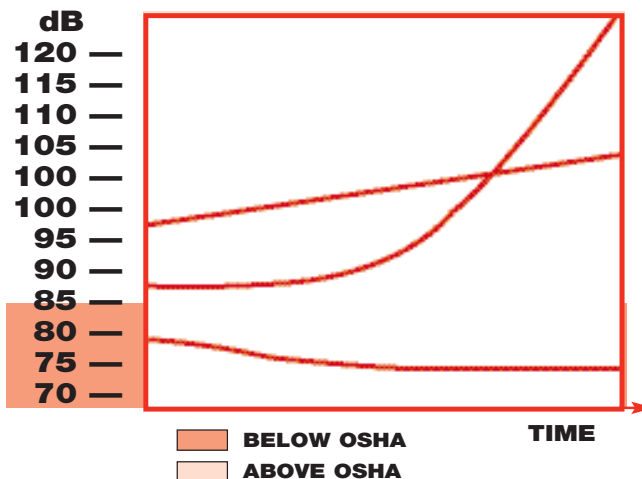
“SILENT” Pneumatic

BEST BY TEST

DBA — NOISE — LIFE CURVE

Turbine vibrators maintain 70-75 db's throughout their entire life, as compared to sharp increases in noise levels of ball roller and piston type vibrators. Turbine sound levels actually reduce after a short “break-in” period and retain a constant low sound level throughout their life. Although ball and roller vibrators start at under OSHA limits, they quickly and steadily increase noise levels to well above OSHA, to beyond bearable range. (See curve.) This is caused by ball or roller jumping and accelerating each time it passes the air inlet, causing pitting and continuing wear to the ball and races.

A turbine vibrator outlasts a ball vibrator 3 to 1.



WHY REPLACE A BALL VIBRATOR WITH A TURBINE VIBRATOR

1. NOISE — Average turbine as low as 72db.
2. ENERGY CONSUMPTION — Turbine takes less air, while air consumption steadily increases on a ball vibrator, it decreases in the turbine as the bearings are “broken in”.
3. LIFE — The effective life of the turbine far exceeds the life of a ball. See above dba — NOISE — LIFE CURVE.
4. EFFICIENCY — The turbine maintains its speed during its complete life. The ball unit starts to lose its speed and efficiency from the very start due to pitting of ball and ballrace. See above dba — NOISE — LIFE CURVE.
5. NO LUBRICATION — Bearings are sealed and prelubricated for life.

WHERE TO USE

Because of their fool-proof operation and their lessening of noise in production areas, the Silent Air Turbine Vibrators have quickly become the specified and standard units for many industries and in many leading plants. Examples are: parts feeding on tracks and trays in the automotive industry; on batchers, supply hoppers and chutes of chemical and plastics production and packaging lines; and on foundry match-plates, shake-outs and sand hoppers.

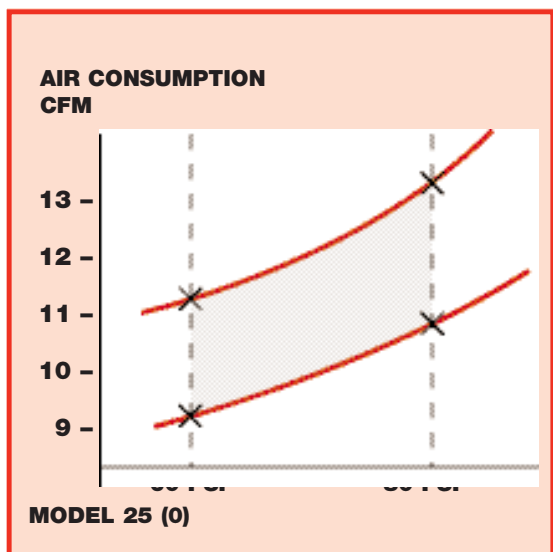
Other typical uses include: screening, separating and sizing of both fine and coarse powdered materials: settling, compacting and leveling in packaging; orientation and feeding of parts. Also, unjamming caps, cans and jars; aiding or controlling flow of material thru hoppers, screens, chutes. Size for size and mount same as for ball units.

LIFETIME WARRANTY

AGAINST WORKMANSHIP & MANUFACTURING DEFECTS

Turbine Vibrators

A: SILENT TURBINE VIBRATORS USE 50% LESS AIR THAN COMPARABLE PNEUMATIC BALL VIBRATORS



AIR CONSUMPTION

A ball vibrator draws up to over 50% more air than a turbine vibrator. The ball in a ball vibrator takes up only 1/20 of available space in the housing and the majority of the air pushing the ball around in the ballrace is wasted and exhausted without producing any work. In a turbine vibrator, the turbine fits snugly in the housing and only a very minimal amount of air can escape without producing any work.

EFFICIENCY

The turbine vibrator has a high level of efficiency throughout its life. Ball vibrators immediately lose speed and efficiency due to pitting of the ball and ballrace. An added plus to the turbine vibrator is that it is not subject to pitting and the turbine vibrator does not require airline lubrication like the ball vibrator.

NOISE

Turbine vibrators maintain 70-75 dB throughout their entire life as compared to sharp increases in noise levels of ball, roller and piston vibrators, which can reach up to 100 dB or more.

B: VIBCO SILENT TURBINE VIBRATORS CAN SAVE UP TO 56% OF THE AIR CONSUMPTION OF COMPETITIVE BALL VIBRATOR MODELS.

See Chart Below

| VIBCO TURBINE MODEL | CFM/ 60 PSI | COMPETITIVE BALL MODELS* | SAVED CFM BY USING VIBCO TURBINE VERSUS:** | | |
|---------------------|-------------|--------------------------|--|--------|--------|
| | | | MARTIN | COUGAR | GLOBAL |
| BVS & VS 100 | 4 | 6 | 11% | 11% | 56% |
| BVS & VS 130 | 4.5 | 13 | 40% | 40% | 70% |
| BVS & VS 160 | 7 | 16 | N/A | N/A | 14.6% |
| BVS & VS 190 | 7.5 | 19 | 32% | 32% | 37.5% |
| BVS & VS 250 | 8 | 25 | 38.5% | 38.5% | 55.5% |
| BVS & VS 320 | 9 | 32 | 47% | 47% | 44% |
| BVS & VS 380 | 16 | 38 | 20% | 20% | 36% |
| BVS & VS 440 | 18 | 44 | 14% | 14% | 48.5% |
| BVS & VS 510 | 18 | 51 | N/A | 20% | 33% |
| BVS & VS 570 | 21 | 57 | ***54% | N/A | N/A |

*Covers ball vibrators **Values taken from published catalogs *** Roller vibrator