

ON-LINE MANUAL Technical Data

9. Technical data

CAUTION: In the following tables all data regarding frequencies and force have been obtained when the vibrator was mounted on a heavy laboratory test block.

In normal operation the frequency MUST NEVER reach the values given in the data tables. The normal operating frequency will reach about 60%. The practical frequency values MUST NOT exceed 75% of the given values. The values given are for comparison only since all manufacturers use data obtained on heavy lab test block or calculated without testing.

NOTE: If turbine vibrators (T- or GT-series) run too fast, ball bearings will crack or wear out very quickly!

EXAMPLE: GT-25 :

Frequency according table 9.5:
12,000 r.p.m. up to 17,000 r.p.m. (2 to 6 bar)

Practical maximum frequency on the object (60% of above):
7,200 r.p.m. up to 10,200 r.p.m. (2 to 6 bar)

9. 1. Working Moments of FINDEVA Vibrators

For some applications or comparisons it may useful to know the calculated working moments of the vibrator because the vibrating force can be calculated by multiplying by the speed of the vibration. Still, disturbances such as stiffness of the mounting, influences of the body mass and amplitude interference with external oscillations or frequencies may affect the force value and must be taken into consideration.

9.2. Ball Vibrator K-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 75 to 95 dBA

9.3. Roller Vibrator R-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 75 to 100 dBA

9.4. Roller Vibrator DAR-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 75 to 100 dBA

9.5. Turbine Vibrator T-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 65 to 80 dBA

9.6. Turbine Vibrator GT-Series and GT-S-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 60 to 75 dBA

9.7. Piston Vibrator FP-Series



[Click here for dimensions and performance specifications](#)

Noise Level Range 55 to 80 dBA .

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