



Damped Vibration Absorber

Wood Group Anti-Vibration Products

Wood Group's damped vibration absorber (DVA) is a tuned mass damper solution for resonance-related vibration problems.

The DVA is best suited for reducing vibration with fixed-frequency forcing functions, but in some cases can also help with variable-frequency vibration.

The application requires detailed knowledge of:

- **Mechanical natural frequency (MNF)** of the vibrating structures
- **Mass** of the vibrating structure and its vibrating modal mass (vibration shape)
- Current **vibration levels** and **frequency**
- **Structure geometry** to determine how the damped vibration absorber can be attached

The DVA works by absorbing the vibration of a structure with its damped anti-vibration technology. It is tuned to its target frequency to achieve maximum performance.

Once the DVA is firmly attached, it will start vibrating while calming down the structure significantly. The DVA is designed to vibrate reliably without failure, leaving the system in a much safer condition.

The DVA can easily be mounted to pipes and vessels using band clamps and can be specifically designed for more complicated structures (connection details required).

For application support, call Wood Group's vibration, dynamics & noise experts at **+1 403 245 5666**, or email products.vdn@woodgroup.com.





	<p>Model: DVA-600-1 Vibration Modal Mass up to 675 Lbs (ex. 1350 Lb scrubber)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>High-Frequency Limit (Hz)</th> <th>Low-Frequency Limit (Hz)</th> </tr> </thead> <tbody> <tr> <td>600-1-4375</td> <td>118</td> <td>70</td> </tr> <tr> <td>600-1-3750</td> <td>80</td> <td>46</td> </tr> <tr> <td>600-1-3125</td> <td>51</td> <td>28</td> </tr> <tr> <td>600-1-1046</td> <td>35</td> <td>19</td> </tr> <tr> <td>600-1-0747</td> <td>22</td> <td>12</td> </tr> <tr> <td>600-1-0598</td> <td>16</td> <td>9</td> </tr> </tbody> </table>	Model	High-Frequency Limit (Hz)	Low-Frequency Limit (Hz)	600-1-4375	118	70	600-1-3750	80	46	600-1-3125	51	28	600-1-1046	35	19	600-1-0747	22	12	600-1-0598	16	9
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