

DamperX™ vibration absorber

Anti-vibration products for piping and machine systems

wood.

Wood's DamperX™ 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 DamperX 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's vibration, dynamics & noise experts at **+1 403 245 5666**, or email products.vdn@woodplc.com.





Model: DVA-600-1
 Vibration modal mass up to 675 Lbs (ex. 1350 Lb vessel)

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



Model: DVA-600-2
 Vibration modal mass up to 1500 Lbs (ex. 3000 Lb vessel)

Model	High-frequency Limit (Hz)	Low-frequency limit (Hz)
600-2-3125	113	67
600-2-2500	84	49
600-2-1875	56	32
600-2-1345	35	20
600-2-1046	24	14
600-2-0747	15	8



Model: DVA-900-2
 Vibration modal mass up to 3050 Lbs (ex. 6100 Lb vessel)

Model	High-frequency Limit (Hz)	Low-frequency limit (Hz)
900-2-4375	85	48
900-2-3750	70	39
900-2-2500	40	22
900-2-1875	26	14
900-2-1250	15	8



Model: DVA-900-3
 Vibration modal mass up to 4550 Lbs (ex. 9100 Lb vessel)

Model	High-frequency Limit (Hz)	Low-frequency limit (Hz)
900-3-4375	70	39
900-3-3750	57	32
900-3-2500	32	18
900-3-1875	21	12
900-3-1250	12	6