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(57) Abstract :
The invention discloses a device for reducing vibrations in industrial pipeline systems, comprising a cylindrical housing (1), damping cartridge (2), elastomeric mounting pad (3), spring-loaded isolator (4), flexible coupling (5), and optional vibration sensor unit (6). The damping cartridge (2) absorbs vibrational energy, while the elastomeric pad (3) and isolator (4) provide multi-stage vibration reduction. The flexible coupling (5) minimizes stress due to misalignments, and the sensor (6) enables real-time monitoring. The device ensures durability, safety, and efficiency across diverse industrial applications.

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