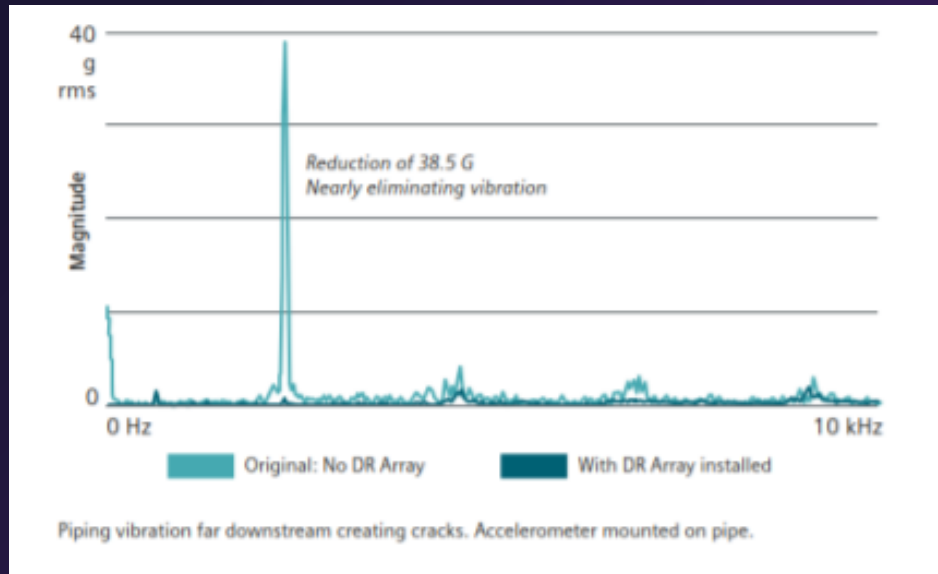


Duct Resonator (DR) Array (for Noise)

Applicable fleet: Industrial Radial, Gas Trans Pipeline



CO₂ Reduced noise emission

Product Overview

The Siemens Energy Duct Resonator Array provides measurable improvement to noise emission levels.



Improved Features

- Reduces the structure vibration level at the compressor and even far downstream in piping system and supports.
- Customers have eliminated support failures and pipe cracking with duct resonator arrays. Lower piping vibration means safer operation and longer instrumentation life.
- Reduces the dynamic loading internal to the compressor as well on components such as impeller blades and vaned diffusers (LSD).



Benefits

- Reduces the compressor ambient noise level emitted by the compressor structures by 10- 20 dB
- Environmentally friendly
- Meets federal regulations or local ordinances as well as potentially eliminating the need for costly external sound enclosures or lagging.
- Saves the maintenance crew time, money, and frustration.



Scope of work & Implementation

- After a lead-time of several months for engineering and production the flat plate array can be installed into an internal assembly in minutes. Pipe arrays have a similar lead time, but installation requires process piping modification.

