

Open for Comfort - Protecting the Environment

Danfoss NVH Technology



Part of the Work Circuit Solution benefits, **NVH technology** gives vehicles the tools for impressive noise suppression.

Danfoss has designed solutions to suppress noise generated from hydraulics. Danfoss' Noise Vibration and Harshness (NVH) Technology is a fully integrated custom solution to fully optimize noise and vibration reduction in any hydraulic system.

With over 20-years of noise and vibration reduction experience, this improved technology has enabled Danfoss to utilize its noise reduction products in the agriculture, construction, truck/bus, and industrial hydraulics markets.

With the continued push for lower noise emissions globally, Danfoss continues to expand its environmental friendly products to improve overall impact for the end user, operator and markets we serve.

Features and Benefits

- Hydraulic system noise reduction
- Operator safety/fatigue improvement
- Improves in-cab and external "noise" levels
- Elimination of alternative noise suppression devices (resonator, attenuator, accumulator)
- Technologies for hose, pumps, steering units, and other campaigns
- Diagnostic testing offered

How it works

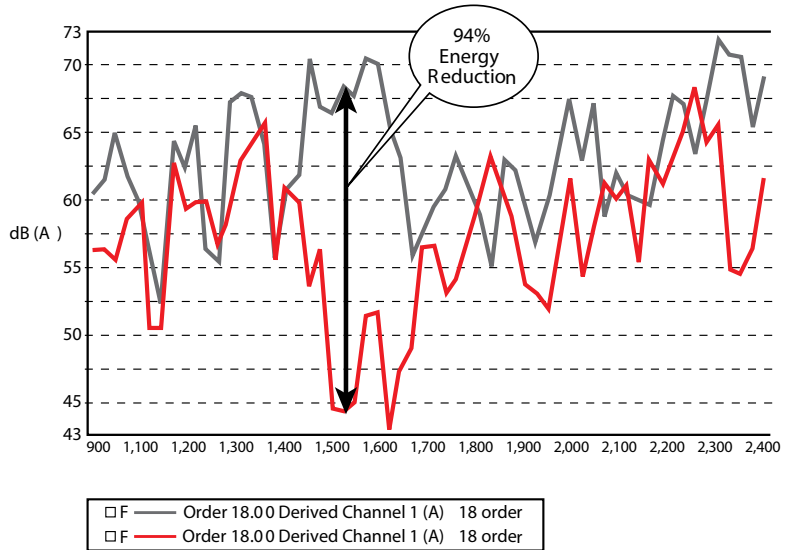


With options available to minimize noise at targeted speeds, Danfoss pumps, steering units, and fluid conveyance products can reduce energy variations in the fluid flow known as pressure ripples.

The energy contained within the pressure ripple then propagates from the fluid, through the structural components, and into the air to become noise. Danfoss' NVH technology utilizes a custom designed hose assembly, specifically targeting fluid born noise reducing overall external/airborne noise without over attenuation. The ability to reduce this energy transmits into noise reduction.



Noise and Energy Reduction Example



Combined with Danfoss ADC (Application Development Centers), where machines can be actually tested with real world operations and even in extreme conditions, Danfoss is able to give a unique support to customers as a system provider for NVH solutions.

Take the ADC virtual tour here: <https://virtualadc.danfoss.com/>