



## VIBRATION LEVELS

All new NX decanters are balanced by the manufacturer to obtain a maximum vibration level of 6,3 mm/s RMS horizontally and vertically when running at maximum bowl speed. The measurements are taken at the bearings. Balancing is done both without product in the bowl and with throughput of water with a maximum temperature of 80°C (176°F).

The vibration level is normally increased with wear and tear. Do therefore make sure that lubrication is performed as prescribed. Also the decanter should be kept clean in order not to create an unbalance due to deposits. The vibration level may also increase if the decanter is placed on a flexible frame, skid, platform or the like and can also be caused by other equipment placed near the decanter. It is therefore possible that the vibration level of a new decanter exceeds 6,3mm/s RMS in the customers installation.

It is generally accepted that the vibration level for repaired/reconditioned decanters is a little higher than for new decanters.

### **Limits:**

Vibration level [mm/s RMS]	Remarks
6,3	New decanters
8	Reconditioned decanters
13	Action to reduce the vibrations <b>should</b> be taken
18	Action to reduce the vibrations <b>must</b> be taken

Vibration levels do often vary with the differential speed. For the levels where action should/must be taken the above mentioned values are average values.

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