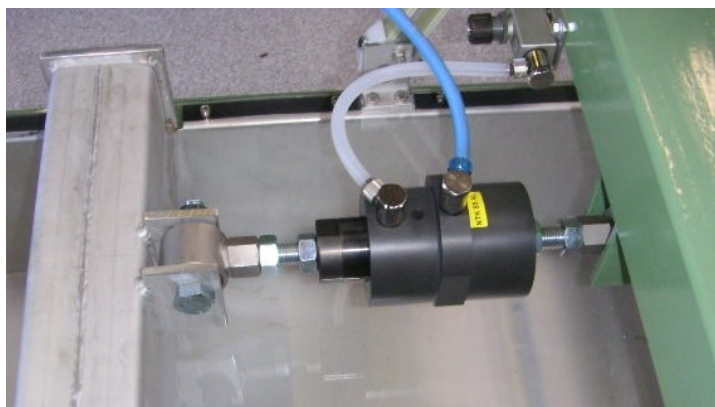


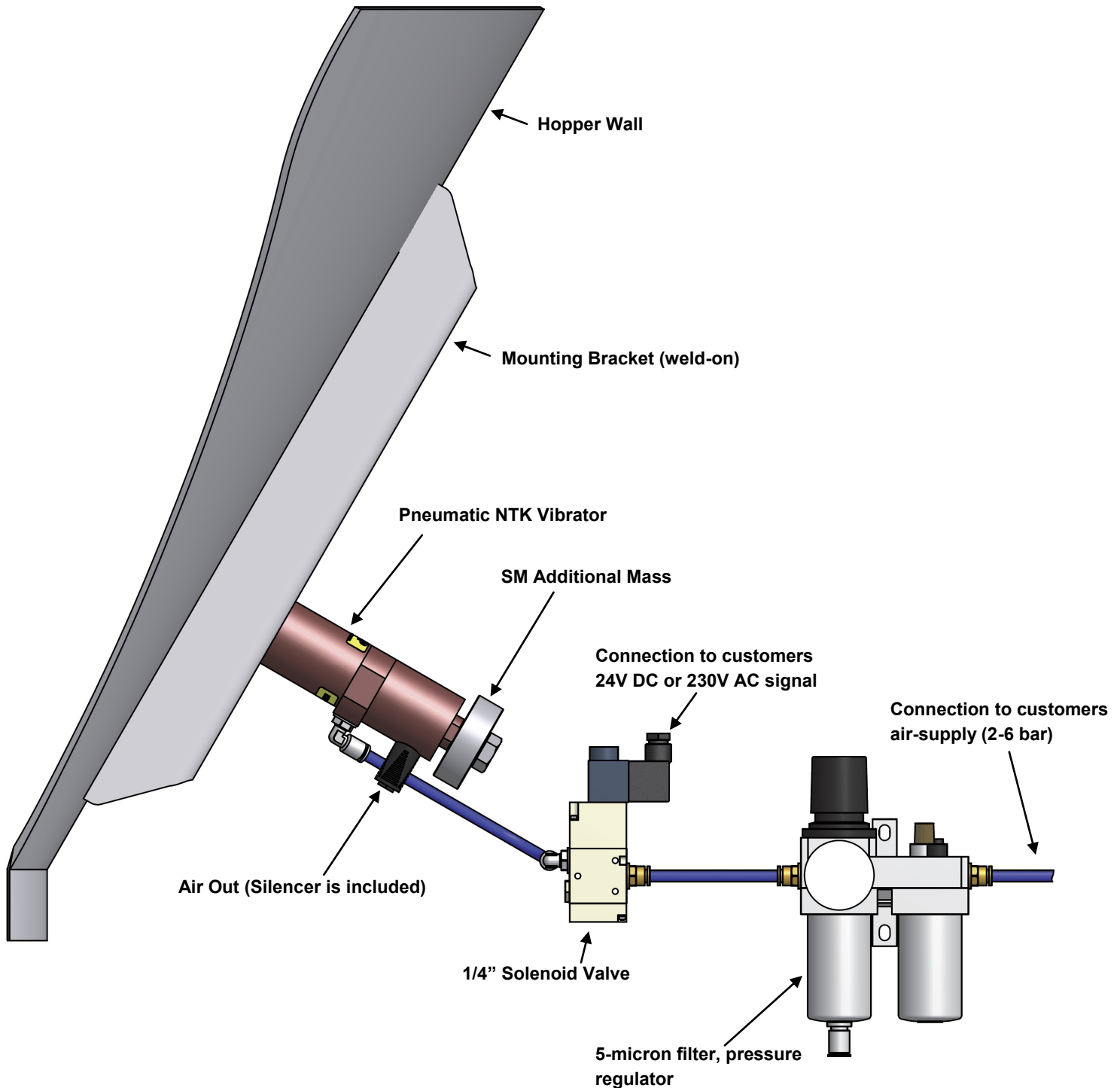


- **Ensure a smooth installation**
- **Better performance**
- **Extended longevity**



NTK Installation Guide

Mounting on a silo or hopper



- NTK vibrator is recommended always to be mounted on a welded bracket for installation on vessels or pipes. This will minimize the risk on the installation location against metal fatigue fracture, and ensure a much better distribution of vibration-energy on a larger area.
- When installing the NTK vibrator on a hopper outlet (as shown), the vibrator should be positioned approx. 1/3 up from the bottom of the total length of the hopper.

NTK Installation Guide

Recommendations for installation and operation of NTK Vibrators

Follow these advices, and the commissioning will be completely seamless

Start & stop activation

Always use a solenoid valve for start & stop activation of NTK Vibrators.

We can on request provide the necessary 3/2 way solenoid valve for activation with compressed air - 24V DC - 230V or manual operation. There should not be more than 15 meters air hose between the solenoid valve and the NTK Vibrator.

The pressure

The pressure should be set with a locally installed filter regulator, to ensure the correct pressure.

We can on request provide filter pressure regulators.

Compressed air

Air quality and purity has great influence on NTK Vibrators function and longevity.

Even if the customer has a good quality air, so we always recommend installing a local filter regulator, as always to ensure correct pressure and filter dirt particles away.

We can on request provide filter regulators.

Air pressure hose

NTK Vibrators is driven by the energy of compressed air.

The compressed air should always be supplied to the vibrator with a $\varnothing 8$ mm. approved compressed air hose.

We can on request provide compressed air hoses in all diameters and lengths.

Brackets

To prevent damage to the installation site, it is very important to weld a bracket on site. It also ensures a better distribution of the impacts for a larger area.

The bracket mounting surface must be perfectly level to ensure a full connection with the base of the vibrator

Lubrication

The NTK Vibrators shall always be operated with lubricated compressed air. This will extend the longevity for the NTK Vibrator significantly.

We can on request provide good lubricators and filter regulators

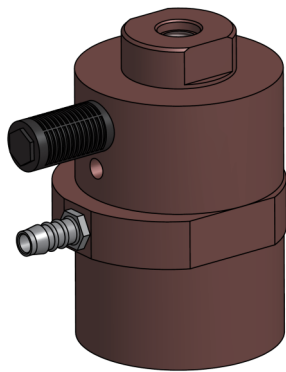
Silencer (Muffler)

The included black silencer is reducing the noise level significantly, and prevent foreign particles from entering the vibrators mechanical parts.

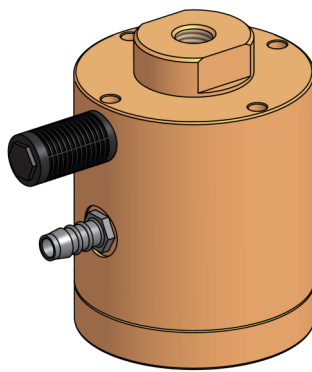
If it is not permitted to let the exhausted oil lubricated air into the environment, then exhausted air can easily be routed away from the area with a hose.

If you have further questions about installation or operation of NTK vibrator, please do not hesitate to contact us!

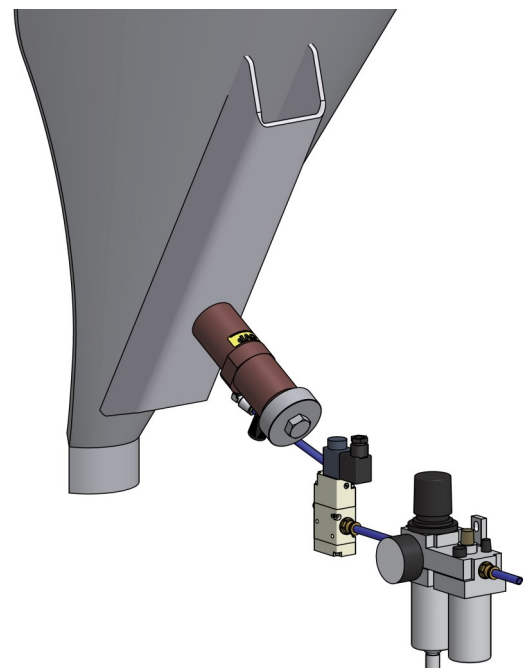
Phone +45 56 87 07 23 or e-mail: info@luftvibrator.dk



NTK 55 AL with housing in aluminium



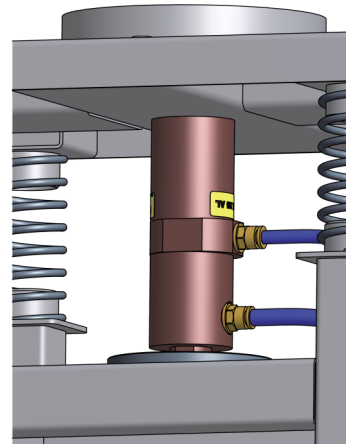
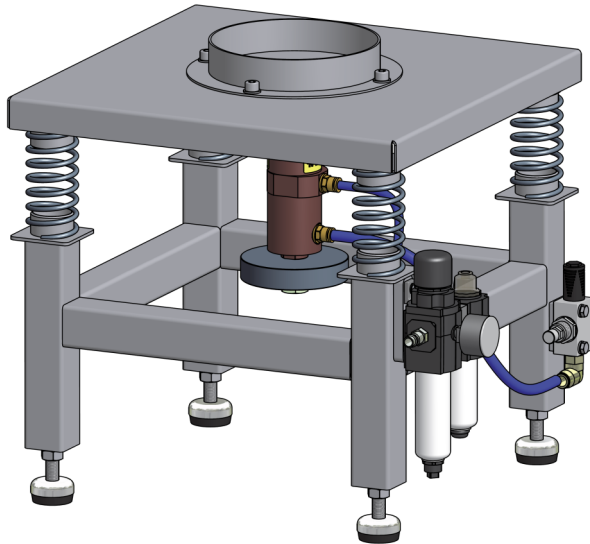
NTK 55 NF with housing in steel



NTK Installation Guide

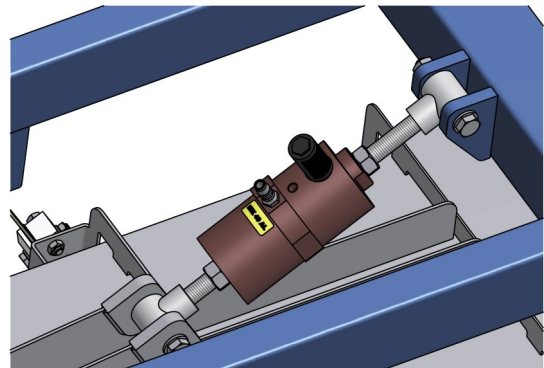
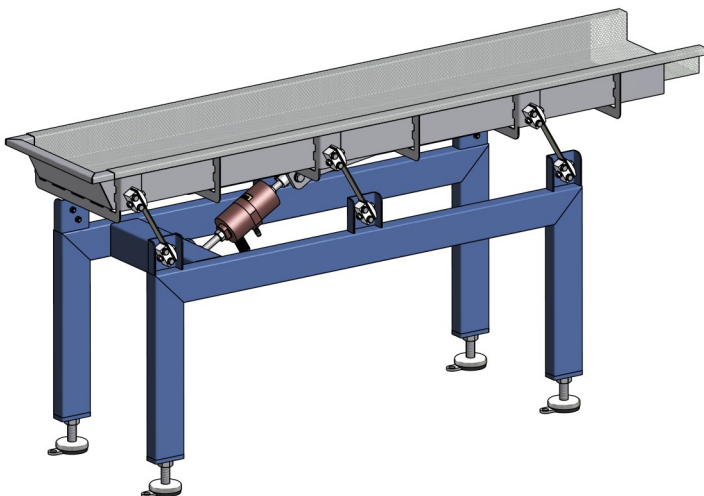
Installation on a vibration table

The NTK vibrators big stroke (amplitude), makes it a very powerful drive for vibration tables



Installation on a vibration conveyor

The NTK vibrators big stroke (amplitude), makes it a very powerful drive for vibration conveyors and sieves for material separation



NTK 40 AL with FlexiLink

NTK Installation Guide

Installation Options

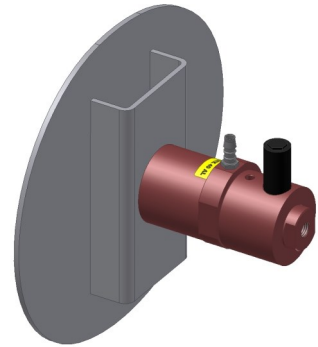
The NTK vibrators design and function offers different kinds of possibilities for installation and use.

The NTK vibrator has only one thread for mounting in the housing and one in the piston.

Here is illustrated some of the installation options:

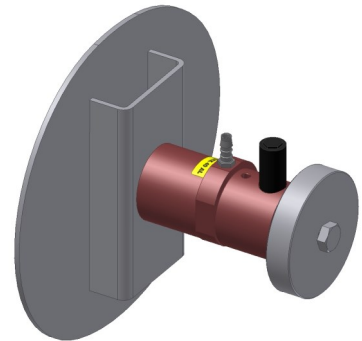
Installation on application in the housing-end without additional SM mass

In this installation the NTK vibrator's steel piston will act like the oscillation vibration mass, and create moderate stroke (amplitude) and high frequency



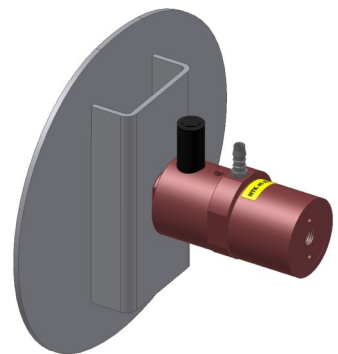
Installation on application in the housing-end with additional SM mass

In this installation the NTK vibrator's steel piston and a additional SM weight, will act like the oscillation vibration mass, and create good stroke (amplitude) and working moment, but the frequency is reduced a bit



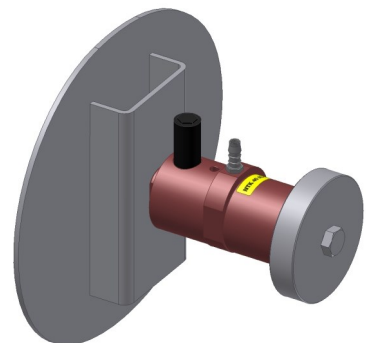
Installation on application in the piston-end without additional SM mass

In this installation the NTK vibrator's housing will act like the oscillation vibration mass, and create moderate stroke (amplitude) and good frequency



Installation on application in the piston-end with additional SM mass

In this installation the NTK vibrator's housing and a additional SM weight, will act like the oscillation vibration mass, and create good stroke (amplitude) and working moment, but the frequency is reduced a bit





Air treatment Units

Take full control over adjustment and compressed air quality with modular filter regulator and mist lubrication

Available in many sizes and combinations for all our pneumatic vibrators.



Solenoid Valve

The best solution for start & stop actuation of pneumatic vibrators

Available in many sizes and combinations for all our pneumatic vibrators



Springs

Stainless steel compression springs ensure the effective isolation of vibration in machinery and equipment so that only the desired components is vibrated.

Available in many sizes



Timer Control

For automated activation of vibrators, small and simple time control of vibrators.

Available electric 24V & 230V or pneumatic



Vibration Damper

With its low build-in height made in rubber, it easily integrated with existing machinery parts, thus providing an effective isolation of vibration.



Fittings & Tubing

All types and sizes of fittings, tubing, silencers and throttling valves can be supplied for complete solutions.