

Installation and Operating Instructions for pneumatic roller vibrators Series «VDAR»

The pneumatic vibrators (VDAR) comply with EC Machinery Directive 2006/42/EC. The Standards DIN EN ISO 12100:2010 must be observed in particular.



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Managing Director
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GENERAL WARNING:

Please ensure that during installation or other work on the vibrator and its power lines, the compressed air supply is turned off.

RISK OF INJURY! RISK OF INJURING EYES AND EARS!

GENERAL INFORMATION

CAUTION: The maximum working pressure may not exceed **6 bar (90 PSI)**.



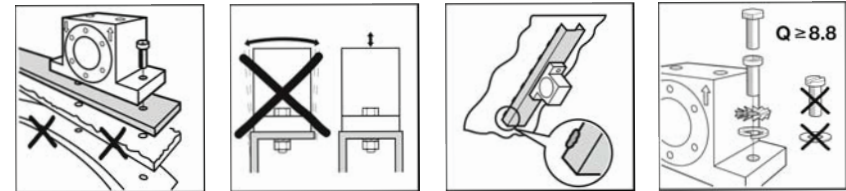
1. The ambient temperature may not exceed **150°C (302°F)**.

! max. !

**6 bar / 90 PSI
150°C / 302°F**

INSTALLATION AND START-UP

2. The clamping surface must be clean and flat. It is advisable to use a stiffening rod (U-section iron bar) as the substructure and that will be welded to the object, thus transferring the vibration energy in an optimum manner.

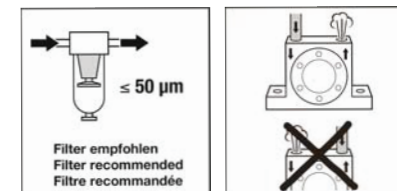


models	thread	min.	max.
VDAR-2	M6	6 Nm	10 Nm
VDAR-3	M8	15 Nm	21 Nm
VDAR-4	M10	30 Nm	42 Nm
VDAR-5	M12	50 Nm	72 Nm
VDAR-6/-7	M16	125 Nm	174 Nm



DANGER: Loose screws can cause the vibrator to fall down and cause injuries!

3. The air pressure supply must be **clean (Filter < 50 um)**



DANGER: Loosened compressed air hoses can cause personal injury (to eyes)!



DANGER: No operation without silencer (extreme dB levels/ear injuries)!

Do not inhale escaping oil steams. Recommendation: Exhaust air lead away. See safety data sheet. www.findeva.com



DANGER: The exhaust is under pressure and this may cause injuries (eye injuries)!

OPERATION AND MAINTENANCE



4. **IMPORTANT:** Make sure the lubricant container is always filled. Dry operation of the roller vibrator will cause abrasion of the end plates and the roller.

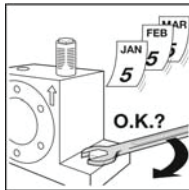
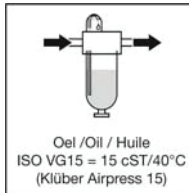
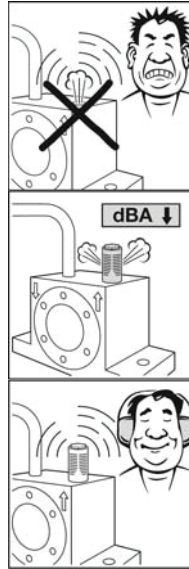


5. **IMPORTANT:** After the initial run and at least once a month, check the correct mounting of the vibrator, the air connection and the silencer.

6. If you notice a loss of power on the part of the vibrator or if it even stops, then remove the silencer. If the vibrator operates now, wash the silencer or replace it.



WARNING: Wear ear protection during above procedure!



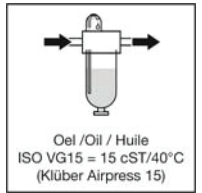
7. An oil-fog lubricator filled with pneumatic fluid with a viscosity of 15 cST/40° C for lubrication must be connected in series. (ISO VG 15, e.g. Klüber Airpress 15)

8. Possible faults: (• after installation / - during operation)

- silencer clogged: wash out with paraffin or replace.

- compressed air connected to air outlet port
- air line too narrow or too long

- leakage: check air supply line
- air tube / hose buckled



9. Repairs / spare parts: Repairs may only be performed by trained personnel. Spare parts can be ordered based on the model number.

10. The parts of used vibrators can be recycled:

- body (powder painted) → aluminium with steel race inlays
- roller → cast iron
- threaded end caps → brass