

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

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



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

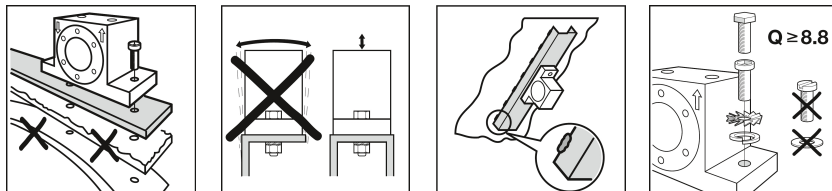


CAUTION: The maximum working pressure may not exceed **6 bar (90 PSI)**.

1. The ambient temperature during operation may not exceed **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 it be welded to the object, thus transferring the vibration energy in an optimum manner.



models	thread	min.	max.
VR-50	M6	6 Nm	10 Nm
VR-65 / 80	M8	15 Nm	21 Nm
VR-100	M10	30 Nm	42 Nm
VR-120	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 µm)**



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

OPERATION/ MAINTENANCE



DANGER: No operation without silencer (extreme dB levels/ear injuries)!
Do not inhale escaping oil steams. Recommendation: Exhaust air lead away.



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.
vibrador, conexão de ar e silenciador.



WARNING: Wear ear protection during above procedure!

6. An oil-fog lubricator filled with pneumatic fluid with a viscosity of 68 cST/40 °C for lubrication must be connected in series. (ISO VG68, e.g. Klüber Airpress 68).

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- Possible faults: (• after installation /
• air line too narrow or too long
- during operation)
- leakage: check air supply line
- air tube / hose buckled
- silencer clogged: wash out with paraffin or replace.
- Repairs / spare parts: Repairs may only be performed by trained personnel.
Spare parts can be ordered based on the model number.
- The parts of used vibrators can be recycled:
body (powder painted) → aluminium with cast iron inlay
roller → steel
threaded end caps → plastic (Grastin)

