

3 Transport and storage

Only transport the product inside the original packaging or a suitable alternative.

The equipment must be protected from moisture and heat when not in use. It must be stored in a covered, dry and dust-free room at a temperature between -20 °C and +40 °C (-4 °F to 104 °F). To avoid bearing damage, ensure a vibration-free environment ($v_{eff} < 0.2 \text{ mm/s}$).

Outdoor storage is **not** permitted. In principle, the operator must meet all applicable standards with respect to preventing damage due to lightning, which could result in damage to the sample gas pump.

In particular for P2.x ATEX-O2 sample gas pumps (item no.: 42.....-O2), any contamination of components in contact with the media must be ruled out.

Storage areas must not contain any equipment generating ozone, e.g. fluorescent lighting, mercury vapour lamps, high-voltage electrical equipment.

After prolonged storage or downtimes, test the insulation resistance of the winding, phase against phase and phase against mass, prior to initial operation. Moist windings can cause current leaks, flashovers and breakdown. The insulation resistance of the stator winding must be at least 1.5 MΩ measured at a winding temperature of 20 °C (68 °F). Values below this require the winding to be dried.

The motor shaft should be turned occasionally to ensure the entire bearing remains lubricated. To do so, remove the three cross-tip screws (9) from the console cover (8). This exposes the crank gear (10). You can now turn the motor shaft on it.

For the item numbers, please refer to the assembly drawing 42/025-Z02-01-2 in the appendix.

CAUTION



Contusion hazard

Contusion of the fingers

Don't have your fingers caught between eccentric and slide.