

Security Rules for Repairing of STable (©) Active Pneumatic Vibration Isolation Tables

There are some simple, but very important aspects, what you always have to take into account, if you have to repair or assemble anything on a STable (©) Active Pneumatic Vibration Isolation Table.

An overpressure will blow up the silicone rubber membranes immediately. This event ceases the warranty.

It is much more secure to operate the STable (©) Active Pneumatic Vibration Isolation Table from a Quiet Air Compressor than from the central air supply of the building. The output pressure of the Quiet Air Compressor is controlled by its internal pressure regulator. The pressure of the Quiet Air Compressor can never be higher than 2.2 Bar. On every connection point of the central air supply of the building there is always a pressure regulator installed. But that regulator is manually adjusted and can be turned up accidentally up to 8 or 10 Bar. The silicone rubber membranes of the STable (©) Active Pneumatic Vibration Isolation Table will blow up above 2.5 Bar immediately! We always suggest you to install the Quiet Air Compressor in the system for the sake of the table.

Special care should be taken if you remove any blue tube from any tube connector, any time. The aspects are listed below.

You neither must not pull, nor must not cut the tube on the tube connector (fitting) axially!

Pulling of the tube will not release the tube from the tube connector, but will break the tube connector.

An axial hurt on the fitting made with a knife results an air leakage. Any air leakage in the Table decreases the lifetime of the Quiet Air Compressor dramatically.

If you want to remove any blue tube from its connector, please follow these steps:

- 1) Cut the blue tube with a sharp-edged knife in 10 mm of distance from the end of the tube connector.
- 2) Use a soldering iron to burn a small slit on the remaining part of the tube on the tube connector. The heat will just destroy the plastic material of the tube, what will become easily removable. The heat of the soldering iron will not make an injury for the tube connector itself. But be careful! Please apply the heat only for the shortest necessary time period, because the material of the valves is heat sensitive plastic.

After changing or repairing anything on a Table, a rigorous air leakage test must be carried out to protect the Quiet Air Compressor. Please see the warning sticker on the top of the Quiet Air Compressor and the explanation in the User Manual.

A usual STable (©) Active Vibration Isolation Table has got such a small level of air leakage what starts the Quiet Air Compressor one, or two times a day. If the Quiet Air Compressor starts itself more than five times a day, please consult the repair service for help.

During installation or replacement of a STable (©) Active Vibration Isolation Table, when you move the leg system, be careful not to drop the working cylinders on the floor. The working cylinders are not fixed in the leg system on other way, gravity keeps them in their place. If you move the leg system in normal position, no additional care should be taken. But if you want to tilt the leg system, e.g. in a narrow door, please fix the working cylinders in their place in advance with glue tape or fixing bungee.

During installation or replacement of a Table, when you remove the top plate away from the leg system, the height sensing levers of the valve assemblies must be fixed to the security bumpers. For detailed explanation please see the User Manual.