

QUALITY CHECK OF CARRIERS

Hörtig Rohrpost GmbH

Pneumatic tube systems are not only the tubes, switches, blowers and stations themselves, well-functioning pneumatic tube systems also include pneumatic tube carriers.

The carriers are on the one hand the means of transport, but on the other hand also the protection of the items sent. They travel through the pneumatic tube network at a speed of 3 to 6 m/s several times a day.

This makes them one of the main wear parts in a pneumatic tube system.

The pneumatic tube carriers should therefore be kept in good condition. In addition to wear on the closures, the sliding rings also wear out over time. Once they are damaged, the carriers travel more slowly through the tubes, can get stuck in the tubes, slow down more poorly when arriving at a station and deteriorate the performance of the system.

Maintenance support

To support you in the maintenance of the carriers, we offer you two measures:

- 1. Predictive maintenance app:** The app in our RT-Win 4 pneumatic tube software preventively identifies carriers with a high degree of wear. This helps you prevent system failures.
- 2. Offer of spare parts:** We ensure that you can immediately replace the sliding rings on your containers as soon as this is necessary.

- Thinking pneumatic tube software
- Consistent performance of the system



Leak proof cytosatics transport carrier

Step-by-step Guide - Quality Check

For easy maintenance handling we have developed the following guide for you:

1. Sliding rings: Are the sliding rings worn? Are the seams of the sliding rings broken? If this is the case, the entire carrier does not have to be replaced immediately. The sliding rings can be replaced with new ones for Hörtig pneumatic tube carriers.

You can decide whether you want to replace the seal rings yourself or whether you want us to do it for you. In our service of maintenance contract, our technicians will check the carriers at your site and contact you if any action is needed.

2. Closures: Does the can close and open easily as usual? Does the closure remain well closed even when force is applied? Please feel free to contact us if you need assistance here.

3. Carrier body: What does the body of the carrier look like in general? What does the transparent plastic look like? Over years of use, wear and damage can occur here, which can lead to contamination of the pneumatic tube system.

4. Inlays: Do you have inlays, e.g. for sending blood samples? Check these for wear and damage as well. In the worst case, damage will render the mailed items unusable and the pneumatic tube will require extensive cleaning. If necessary, you can easily reorder the inlays from us.



This check should be carried out approximately 2 times a year, depending on the use of the pneumatic tube system.

Slide rings | Closures | Carrier bodies | Inlays

Cleaning of pneumatic tube carriers

Hospital pneumatic tube carriers are at risk of cross-contamination. In the event of a spill of a substance in a carrier, the carrier becomes contaminated. In addition, various particles from employees are distributed throughout the hospital via the exterior of the carrier. Thus, contamination is transferred from pneumatic tube station to pneumatic tube station. Hörtig pneumatic tube systems have two solutions to this problem.

On the one hand, there is the possibility of color-coding the carriers and equipping them with RFID chips, so that only certain carriers are released for defined stations and transports.

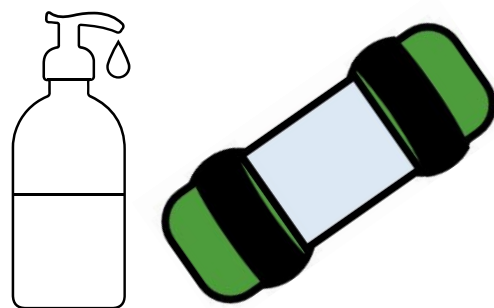
On the other hand, the RT-Win 4 pneumatic tube software in combination with the Predictive Maintenance App is capable of automatically sending empty carriers to the washing station after every fifth trip. At the washing station, either manual cleaning or machine cleaning is performed:

Manual Cleaning:

Clean the inside of the carrier first, then the outside. Do not forget the closures of the carriers. Finally, you should remove dirt, such as lint or similar, from the sliding rings. For manual cleaning Hörtig Rohrpost GmbH recommends: Antifect® extra (conc. 3%), Korsolex® FF (conc. 3%) or Perform® (conc. 4%). In any case, we recommend a cleaning agent based on peroxide or ammonium compounds in combination with aldehyde.

Machine cleaning:

For machine cleaning, a special industrial dishwasher with cleaning agents and adapted dishwasher basket is available. The dishwasher basket is specially adapted for cleaning the carriers.



Do you have questions about carrier maintenance? Do you need new slide rings or new carriers? Would you like to know more about the mechanical cleaning of pneumatic tube carriers? You are welcome to contact us at +49 921-789490 or info@rohrpost.de.