

SPECIALIST IN STERILE GOODS LOGISTICS



CONTAINER AND STERILE GOODS TRANSPORT TROLLEY

Container & Sterile Good Transport...

...the enclosed, fully-welded trolleys CTW and STW from HUPFER®!



Closed container trolley CTW 9 equipped with 9 pairs of insert rails for containers or baskets. The double-wall doors have a two-point central locking mechanism which closes securely and can be operated with one hand. The doors can be locked in place at an angle of 270°. The peripheral door seals provide optimum dust protection. Vertical push bars ensure optimum manoeuvrability of the trolley - even when the doors are open and locked in place. A peripheral impact resistant bumper ensures maximum protection all round. The trolley CTW is patent protected (DBGM).

Closed container and sterile goods trolleys in the HUPFER® brand have for a long time been part of the regular components in any modern organised process chain supplying and disposing of sterile goods. As specialist in sterile goods logistics we are always striving for new developments to optimize our products. For this reason, the closed container and sterile goods trolleys are amongst those

products which are at the forefront for technology and quality. The enclosed, fully-welded container and sterile goods trolleys CTW and STW guarantee hygienic and safe transportation through non-sterile areas. Maximum protection is provided to the sterile goods on their supply route. Used sterile goods are disposed of without any risk to the surrounding area. The clean and seamless, fully-welded shell of the trolley

The New Generation...

...enclosed, fully-welded and totally hygienic - optimised to the minutest detail!



Enclosed sterile goods trolley STW 9, equipped with 2 height-adjustable, solid shelves.

The double-wall doors are provided with a peripheral seal and are equipped with a two-point central locking mechanism which provides secure locking and can be operated with one hand. The doors can be locked in place at an angle of 270°. Vertical push bars ensure optimum manoeuvrability even when the doors are open. The trolley STW is patent protected. (DBGM).



The clean internal finish of the new generation of the single-wall trolley range offers maximum levels of hygiene. All walls are fully-welded without sharp edges or burrs.

Secure door locking arrangement without orifices in the trolley shell for maximum hygiene.



in stainless steel, material 1.4301 is burr free and therefore adheres to the highest hygiene standards. The special flat edging on the top of the trolleys ensures the unique internal positioning of the doors. As a result, absolute hygiene is achieved, the trolley is easy to clean leaving no areas are excluded from the washing process.

This construction also additionally protects the doors and the goods being transported.

Supply and Disposal of Sterile Goods...

...the HUPFER® Container and Sterile Goods Trolley completes your process chain!



The extremely robust and smooth, flat door attachments are integrated into the vertical push bars - on the one hand this provides maximum stability and on the other hand it makes a very positive contribution to the ease of cleaning the trolley.



The inner surface of the doors is absolutely smooth and thus perfect to clean.

The doors of all enclosed HUPFER® container and sterile goods trolleys can be locked in place at an angle of 270°. The trolley can also pass through an automated washing installation with the doors in this position and is also user friendly because there is no requirement for other opening angles to facilitate washing.



The combination of a vertical handle and door attachment constitutes a special feature creating a unit without corners and edges and therefore offers on the one hand numerous advantages from the point of view of hygiene and on the other hand also a huge benefit with regard to ergonomic qualities, since the continuous handle always provides the correct gripping position for a person of any height. The new locking mechanism which is easy to operate with only one hand is essentially

designed to optimize the benefits of: safety at work, easing the workload and hygiene. It removes the need for a locking bar on the door inner side and provides maximum ease of cleaning and meets the highest hygiene requirements. The doors which are of a double-wall construction can pivot up to 270° and can be locked in this position. In this way the trolley can be moved in an optimum and safe manner even when the doors are open. The HUPFER® closed container and sterile goods

Maximum hygiene standards... ...achieved by the easy-to-clean construction!



The corner-to-corner profile in the trolley tops ensures maximum stability and low-noise transportation.

Container trolleys CTW in the transfer cabinet - clear separation of sterile and non-sterile areas.

trolleys offer a high level of stability and long serviceable life. The container trolleys are equipped with 6 or 9 pairs of removable insert rails depending upon the model. The sterile goods trolleys are available in two different widths and include 2 solid and removable shelves. Optionally, additional shelves or wire shelves can be used. The castors, Ø 160 mm, consist of 2 steering castors with brakes and 2 fixed castors. In addition to the standard design with double

ball bearings, in galvanised-chromated casings, amongst others special castors which can pass through trolley washers are also available. A abrasion-resistant bumper efficiently protects the trolleys and contents from damage whilst being transported.

Suitable for trolley washers...

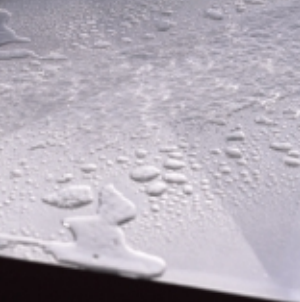
...for maximum hygiene in the sterile goods process chain!



The space between the door locked at an angle of 270° and the side wall is sufficiently large that when cleaning using a high pressure device or in the automatic washing installation no area is excluded from the washing process - for the highest hygiene standards.



The HUPFER® container and sterile goods trolley has been developed especially for automatic guided vehicle systems (AGV) - it is shown here in the automatic run-in to a multi-chamber washing installation.



The corner-to-corner profile of the trolley tops improves water run-off and thus facilitates quicker drying after the cleaning process. The corner-to-corner profile also increases the stability of the trolley top.

Maximisation of such benefits as easy-to-clean and hygiene is ensured not only by the high quality material and manufacturing techniques used for the closed HUPFER® container and sterile goods trolleys but also by the constructive, technically creative details and features. The suitability of the trolleys for a trolley washer means to HUPFER® that not only can the trolleys with special castors withstand the washing installation

but also that they will be cleaned perfectly in accordance with the DIN regulations! Thus, for example, when the doors are open and locked in place, as a result of the special construction no areas between the doors and the shell are excluded from the washing process. The corner-to-corner profile on the trolley top ensures no residue remains as the trolleys dry.

Optimum value...

...our model series CTWS/STWS!



The closed sterile goods trolleys are available in two different widths as STWS 6 or 9, two solid, height-adjustable shelves are delivered as standard. They are available on request with 3 shelves or wire grating shelves. The closed container trolleys CTWS 6 or 9 are available with 6 or 9 pairs of height adjustable and removable insert rails.

The optimum value range of closed container and sterile goods trolleys in a single-wall design is a valuable addition to the HUPFER® range. The self-supporting, robust shell in stainless steel, material 1.4301 is of a clean and burr-free construction and therefore ensures optimum cleaning. Peripheral seals in the double-wall doors ensure reliable dust protection.

Smooth doors – for maximum ease of cleaning. The doors can pivot up to 270° and can be locked in this position. The standard chassis supplied consists of 2 steering castors with brakes and 2 fixed castors with double ball bearing, in galvanized-chromated casings, Ø160 mm. Other designs are available. The robust protective bumper protects the trolleys effectively from damage during daily operation.

Maximum ergonomics...

...container and sterile goods trolleys make the workload easier and take the pressure off your personnel!



The vertical, ergonomically designed push bars are arranged such that on the one hand the trolleys can be manoeuvred to the best advantage even with the doors open and on the other hand users of different heights can always find the optimum posture when transporting the trolleys - maximum ergonomics to ease the workload in the daily operation.

Construction and manufacturing standards of our container and sterile goods trolleys mean that they can be transported off-site without any problem.

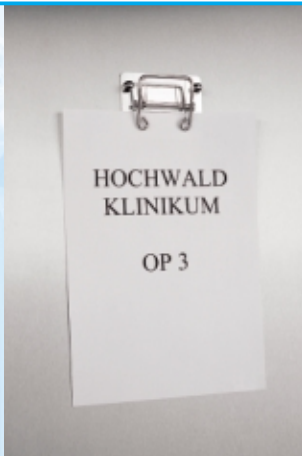


As specialist in sterile goods logistics we develop products and systems to support the supply and disposal of sterile goods. Our aim is to achieve the complete process chain and highest levels of hygiene which day-to-day determines the daily routine in the clinic. With further developments, such as the enclosed container and sterile goods trolley, we at HUPFER® are optimising such user benefits as simplifying the work flow and easing the workload.

The new generation of trolleys was designed and developed with special consideration to the latest ergonomic aspects, since the operator is always at the centre of the daily working chain. The optimisation of the process chain also means making it easier for the workers to maintain their performance efficiently over long periods. HUPFER® products target this area precisely and this can be clearly observed, for example on the central brake, where the user can brake the trolley by simply

Useful accessories...

...and technically creative detailed solutions – for smooth process chains!



The paper clamp which is available as a fitting in stainless steel, material 1.4301 keeps everything tidy and provides an overview.



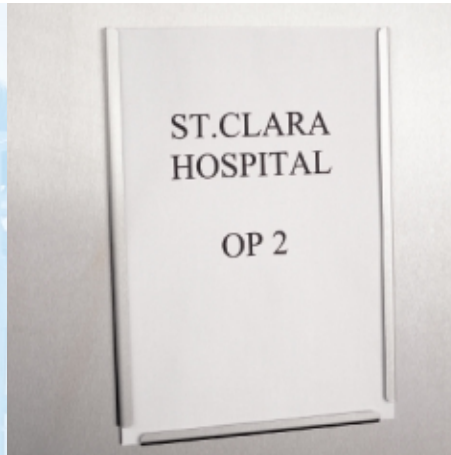
As an alternative, the trolleys can also be braked by means of the central brake which is available as an extra option. Two castors are braked simultaneously by actuating a central foot lever.



HUPFER® container and sterile goods trolleys with a 3- or 4- side barrier rail are available on request.



An optional extra for all HUPFER® enclosed container and sterile goods trolleys is the unique transport latch which provides additional security to the door locking arrangement. It also offers the facility of sealing the trolleys for optimum protection of the sterile goods, especially when transporting them off-site.



Maximum overview during the logistics process chains is provided by the sign holders which are available as an additional extra in the formats DIN A4 and DIN A5. Both models are manufactured in stainless steel, material 1.4301 and are easy to clean.

stepping on the central brake lever. User-friendliness is also demonstrated amongst others by the castors with direction brake which can be fixed in one direction especially for use in the transfer cabinets. The HUPFER® closed container and sterile goods trolley can be supplemented individually by the comprehensive equipment and accessory range designed to rationalise the process chain and ease the workload.

Problem-free towing...

...achieved with special couplings and towing bars!



All HUPFER® closed container and sterile goods trolleys can be equipped with a coupling and a towing bar. A friction-damped coupling is available for towing several trolleys without any rolling motion. Castors of an excellent quality and an impact-resistant protective bumper effectively ensure safe transportation.

Special solutions – such as for example the development of individual trolleys for conveying systems, such as driverless transport systems (FTS) or automated guided vehicle systems (AGV) – are also part of the HUPFER® daily routine. Concentrating on the subject of sterile goods logistics HUPFER® also offers solutions for other segments, such as the transportation of laundry and of medications, which come under the umbrella of transport logistics.

Automated trolley transportation...

...HUPFER® supplies special trolleys - always tailored to meet the customers' requirements!



The HUPFER® container and sterile goods trolleys here have been developed according to the demands and wishes of our customers. The trolleys have been especially designed to suit the existing conveying system (AGV) and they ensure that the sterile goods are supplied and disposed of without any problems whilst observing the strict requirements for the highest hygiene levels. The handles which have been tailored precisely to suit this transportation installation also serve as the receiving point for the automated transportation. The door locking mechanism which can be operated by the foot lever optimises the user-friendliness to a considerable extent.



The cross-wise arrangement of the castors enables the trolley to turn easily in the stand.



Desired codings, such as for example integrated in the protective strip, ensure that the trolleys reach their predetermined destinations and positions safely.

The handles and position of the castors guarantee optimum handling when moving a trolley into the automated feed-in to the lifts.



Advantages and benefits in overview

- 2-point central door locking mechanism which can be operated with one hand (CTW/STW).
- Doors are recessed for maximum safety.
- Absolutely smooth door innersides for optimum hygiene.
- Vertical handles for ergonomic handling.
- Corner-to-corner profiling on the trolley top to improve the water run off.
- The doors can be locked at 270° for easier handling.
- Doors are protected from impact both in the closed position and also in the locked open position.
- Insert rails and shelves are height adjustable.
- Finished down to the most precise detail, long serviceable life, best cleaning characteristics, highest hygiene standard.
- Models suitable for trolley washers with no areas excluded from the washing process.
- The optional twin-brake avoids any towing operation when the castors are unintentionally braked.
- Castors with direction brake make towing possible.
- Comprehensive equipment and accessory program for increased user-friendliness.

Open trolleys...

...OCTW and OSTW for containers and sterile goods - construction optimised to suit the user!



The HUPFER® open container and sterile goods trolleys are used on the one hand in examination and function rooms, such as for example endoscopy, X-ray or radiology - and on the other hand wherever it is possible from the point of view of hygiene to transport goods openly, such as for example in the operating theatre, sterilisation room or the intensive care unit. Regardless of whether sterile goods containers, sterile goods baskets or packaged small goods are being transported

or temporarily stored, our range offers a product tailored for optimum effect for each application. The open container trolleys OCTW 6 and 9 are equipped with 6 or 9 pairs of height-adjustable and removable insert rails depending upon the model. The sterile goods trolleys which are available in two different widths (OSTW 6 and 9) can be delivered in each case as standard with 2 closed, height-adjustable and removable shelves and on request also with wire grating shelves.

Open container trolley OCTW 6, which can hold containers/baskets in the StU-sizes on 6 pairs of height-adjustable, removable insert rails. The OCTW 9 trolley is also available with 9 pairs of height-adjustable, removable insert rails.



The handle, available as an optional extra, provides even better handling characteristics.

OCTW 9



The chassis consists of 4 steering castors, of which 2 can be braked, with double-ball bearing, in galvanised-chromated casings, Ø 125 mm. The castor material is antistatic. Further designs, such as for example castors which are suitable for trolley washers and which can be sterilised are available on request. Wall protectors in abrasion-resistant plastic effectively protect the trolleys from damage during transportation.

Ease the workload...

...and simplify the process chain with special equipment and useful accessories!



The pivotable transportation securing lock available as an accessory in stainless steel, material 1.4301 provides even more security when handling goods in transit. The transportation securing lock can be easily retrofitted.



The suspension strip available from the accessory range is especially suitable for equipping case trolleys. The suspension strip can simply be suspended at the desired position and can be used for example to receive StU baskets. The suspension strips are suitable for the HUPFER® container and sterile goods trolleys, OCTW and OSTW.



The optional robust top cover is available in 2 different sizes and ensures that the sterile goods are transported in a hygienic manner.



The U-profile insert rails which can be inserted into all container trolleys and are available as accessories can receive matching sterile goods baskets.

The construction of the HUPFER® open container and sterile goods trolleys consists of a robust and non-twisting framework. The material is stainless steel, material 1.4301 and the finish to a very high degree of detailed accuracy makes these trolleys easy-to-clean and perfectly hygienic components of the supply logistics in the clinic region.

A thoughtfully prepared package of equipment and accessories optimally completes the model range of the open container and sterile goods trolley OCTW and OSTW and further increases the advantages of keeping everything tidy and safety at work for the user, demonstrated for example by the StU suspension strip or the pivotable transportation securing lock.



The container trolleys can be equipped on request with insert rails and insert plates available as accessories. They can transport small goods in packages safely and hygienically. Both the insert rails and the insert plates consist of stainless steel, material 1.4301.

Advantages and benefits in overview

- Robust framework with a permanently welded cover at the top and the bottom.
- Precise and detailed finish in stainless steel, material 1.4301 – for maximum hygiene.
- Height-adjustable insert rails and shelves, to meet individual requirements.
- Can be used as a case trolley for example with a suspension strip and a basket.
- Pivotal transportation securing lock which can be retrofitted is available.
- U-profile rails for removable baskets available.
- It is possible to equip the trolleys with castors which are suitable for trolley washers.
- Perforated plate inserts available as an optional extra.
- Also available in a design which can be sterilised.

The complete process chain...

...guarantees success in the long term!



S T O R A G E



T R A N S P O R T A T I O N

O R G A N I S A T I O N



D I S T R I B U T I O N



P A C K A G I N G



S O R T I N G

A complete process chain is guaranteed - not by the individual components but by the comprehensive system. In addition to the HUPFER® container and sterile goods trolleys we offer you a complex and mature product range, especially tailored to suit the individual logistic functions, such as for example: Sorting, Packaging, Organisation, Transportation, Storage and Distribution.

**We are the Specialists in sterile goods logistics.
With us you have your process chain under control!**



All details/ measurements are approximate. We reserve the right to make technical changes.

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