TYPHOON
The fully automatic flusher disinfector

Ask us about SURE-WASH C.d.

...with people in mind
MAKING A DIFFERENCE IN INFECTION CONTROL

Typhoon, a fully automatic flusher disinfecter proven in hospitals and care facilities, now has a new design with innovative user-friendly features that improve efficiency and infection control.

The role of the Typhoon is to empty, clean and thermally disinfect receptacles such as bedpans, bowls, basins, urine bottles and suction bottles to ensure a continuous flow of cleaned and disinfected goods from the soiled utility room. The new Typhoon looks distinctive and performs differently. You can sense the differences that make working routines easier and more efficient.

Sense the difference...

... when you open the sliding door, there is no need to touch the machine.

Typhoon has a unique infra-red photocell for automatic opening and closing of the door. To open, simply place your hand in front of the sensor. This improves infection control, as the user can unload clean goods without touching a potentially contaminated door handle.

... when you load the machine - there is no need to pre-empty the receptacles.

Typhoon is designed to empty and dispose of bedpan contents including soil and tissue. There is no need to risk additional surface splatter and aerosols and resulting contamination from pre-emptying the receptacles.

Typhoon is unique in offering a rotating holder as a standard feature. After the door is closed and locked, the holder rotates to empty the receptacles, eliminating spillage and contamination of nearby surfaces. The rotating holder also has an innovative integrated nozzle for optimized cleaning of receptacles.

... during the cycle - you can now observe the process.

The new VIP (View-in-Process) glass window feature gives users a unique perspective on processing status. There is nothing to hide, immediate visual confirmation of program process and success is easily viewed through the VIP door.

... when you unload - goods are dried and cooled faster.

The machine is equipped with external cooling. This means that after the disinfection phase, cooling water is taken directly from the water inlet and not from an internal tank. The cooling water is sprayed on the chamber wall to condense the steam. After the cooling cycle, the door automatically opens partially to speed up the drying and cooling of the inverted goods.

These innovative features and the new exterior design make Typhoon an efficient, ergonomic and attractive product to work with at the heart of any well-planned, smooth-running soiled utility room.
The International Federation of Infection Control (IFIC) recommends the use of Thermal Disinfection whenever possible. It is a safer, quicker and more effective method of disinfection. “It is generally more reliable than chemical processes, leaves no residues, is more easily controlled and is non-toxic.”

WITH THE TYPHOON, RISKS FROM AEROSOLS, SPLATTER, IMPROPER DILUTION AND CONTACT TIME ARE ELIMINATED.

The process of cleaning, disinfection and drying are combined in a very effective procedure, providing non-critical items ready for use. The thorough initial rinsing and washing removes most of the microorganisms and short disinfection times are appropriate for disinfection of any potentially remaining bacteria, moulds and viruses.

HOW DOES THERMAL DISINFECTION WORK?

The cleaning cycles are followed by the thermal disinfection process. Thermal disinfection is achieved by using moist heat, at a specific temperature for a certain period of time. Although the Typhoon is pre-set with time-temperature correlations over and above the requirements of the ISO 15883, both time and temperature of the Typhoon can be customized to specific customer demands.

Bacteria, viruses and moulds are sensitive to heat and die if they are exposed to high temperatures. At higher temperatures shorter time is necessary and at lower temperatures longer time is required. The time and temperature correlation for human waste receptacles adopted by ISO 15883 is defined as an \( A_o \) of 60. (see chart below). Steam delivered at the appropriate temperature at the right length of time will destroy the proteins in the organism, and cause death or render the microorganism inert.

Using the Typhoon is easy. Simply place the soiled item complete with waste and tissue paper into the flusher disinfector, press a button and walk away. The Typhoon will empty, flush, clean and disinfect, without manual labour. Cycle times range from 3 to 7 minutes.

<table>
<thead>
<tr>
<th>TIME &amp; TEMPERATURE REQUIRED FOR DISINFECTION ( A_o = 60 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>1897 seconds (32 min) @ 65°C (149°F)</td>
</tr>
<tr>
<td>600 seconds (10 min) @ 70°C (158°F)</td>
</tr>
<tr>
<td>190 seconds (3 min) @ 75°C (167°F)</td>
</tr>
<tr>
<td>60 seconds (1 min) @ 80°C (176°F)</td>
</tr>
<tr>
<td>19 seconds @ 85°C (185°F)</td>
</tr>
<tr>
<td>6 seconds @ 90°C (194°F)</td>
</tr>
<tr>
<td>1.9 seconds @ 95°C (203°F)</td>
</tr>
</tbody>
</table>
Typhoon is the only flusher disinfector fitted with a rotating holder. This unique feature makes loading routines more efficient, ensures good cleaning results and improves the working environment.

Emptying of the receptacles occurs automatically with the rotating holder, so goods can be loaded easily without the mess of inverting the receptacles manually. Once the door is locked, the holder rotates 150 degrees and empties the receptacles. This enhances working conditions for staff, as there is no longer a risk of spillage, splashing or aerosols from the receptacles during the loading procedure.

The jet nozzles are integrated in the rotating holder and positioned to deliver the best cleaning results and optimize the disinfection process.

Typhoon has the flexibility to handle a broader range of receptacles. There is not only a wide selection of standard holders for commonly used human waste receptacles, but also a number of other holders and adaptors that extend the application of Typhoon to goods such as suction bottles. There are also solutions for processing bowls, basins and other utensils used in care facilities.

Standard holders are available to accommodate goods such as:
- Bedpans and lids
- Commode buckets
- Urine bottles and urine measurement containers

Other equipment in the ArjoHuntleigh receptacle holder and adaptor range include:
- Basket for small receptacles
- Adaptor for suction bottles
- Adaptor for large urine collection bottles

On the software side, three programs – economy, normal and intensive – offer solutions adapted for different receptacles. Customer-specific solutions are also available from ArjoHuntleigh for more specialized receptacles.
Healthcare Acquired Infections (HAI’s) are becoming more widespread and virulent. The need for effective infection control to protect residents and patients in care environments from cross-infections is greater than ever.

Hospitals and care facilities need a continuous flow of disinfected goods from their soiled utility rooms. The layout, equipment and working routines used in soiled utility rooms are decisive factors for successful infection control.

With automatic, photocell-activated opening and closing of the sliding door, Typhoon supports the ArjoHuntleigh infection control concept of “clean hands on clean goods”. Hands-free opening/closing of the unit eliminates the risk of touching a contaminated door handle.

Choosing Typhoon is a good starting point for a well-planned soiled utility room, but the flusher disinfector is only one of four facility features essential for maintaining working practices that ensure excellent hygiene:

**Soiled area**
This area is set aside for soiled goods and usually consists of a bench or a stainless steel discharge table. Separated from the clean spaces in the room, it acts as a temporary collection point for soiled goods.

**Hand Wash Station**
The hand washbasin and accessories should be conveniently sited and easy to use. Hand hygiene is necessary before removing cleaned goods from a flusher disinfector and before leaving the soiled utility room.

**Flusher Disinfector (Typhoon)**
Typhoon is an efficient, ergonomic solution at the heart of a smooth-running soiled utility room. It empties, cleans and disinfects soiled receptacles automatically, ensuring a secure supply of clean goods in circulation. With its sliding door, Typhoon is a space-saving solution that makes it easier to plan an optimum soiled utility room layout.

**Clean Storage Area**
Clean and disinfected goods that are not to be used immediately should be stored away from soiled surfaces or goods.
GUIDEBOOK FOR ARCHITECTS & PLANNERS

ArjoHuntleigh offers assistance in the planning phase to create a functional soiled utility room and utilize the available space in an optimal way. When planning your new building, or renovation project, consult with your local ArjoHuntleigh representative and the ArjoHuntleigh Guidebook for Architects and Planners for great ideas, considerations and space requirements for your soiled utility room.

Only ArjoHuntleigh designed parts, which are designed specifically for the purpose, should be used on the equipment and products supplied by ArjoHuntleigh. As our policy is one of continuous development we reserve the right to modify designs and specifications without prior notice.

ArjoHuntleigh and Typhoon are trademarks belonging to the ArjoHuntleigh group.