

**First it saves time.  
Then it saves money.  
– And one day it might even save lives ...**

## **3. Cleaning manual**

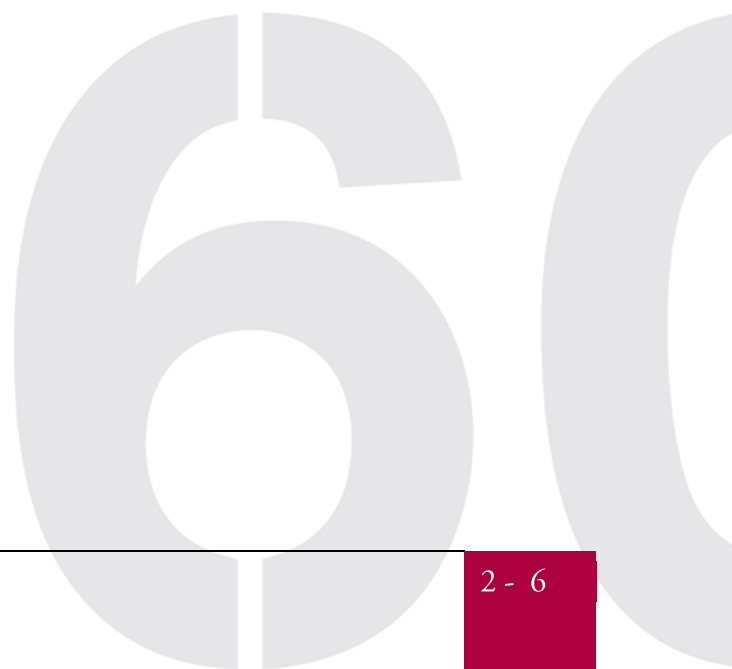
Series TA006

**TEMPUS600®**

2nd version 2013

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### 3.1 Cleaning process (25 mm dispatch pipeline)

The cleaning process uses a kit from TIMEDICO A/S and a cleaning rack.  
The cleaning kit contains a filter bag, 18 sponges and 1 Virkon solution.

#### Notify users that cleaning will commence

1. Detach the dispatch pipe at the receiving unit.
2. Attach the filter bag to the end of the pipe and tighten the strips.
3. Prepare a bucket of Virkon\* disinfectant as follows:



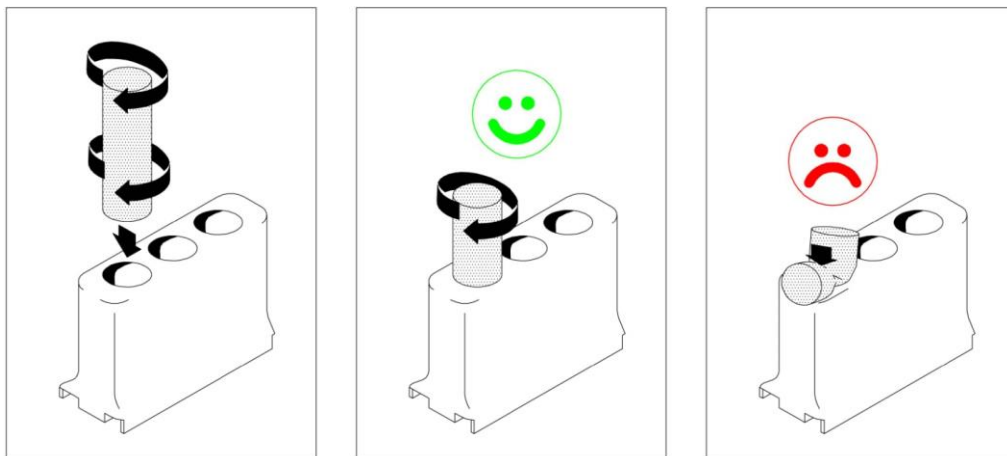
#### Safe and easy handling of Virkon 1% disinfectant

Place the self-dissolving 10 gm. bag in 1 litre of lukewarm water.  
Allow the bag to dissolve and shake lightly.

Virkon is a highly effective broad-spectrum oxidising disinfectant (perilsulphate) for surface disinfection. Does not contain alcohol, chlorine, iodine, glutaraldehyde, phenols or quaternary ammonium compounds. Virkon is recommended for surface disinfection by the National Serum Institute's Central Division for Hospital Hygiene. Has a documented effect against viruses, bacteria and fungi – including HIV and Hepatitis B and C. The powder has a shelf life of three years in its unopened packaging. Unused Virkon solution has a shelf life of seven days. (The safety data sheet is available at [www.TEMPUS600.com](http://www.TEMPUS600.com)).

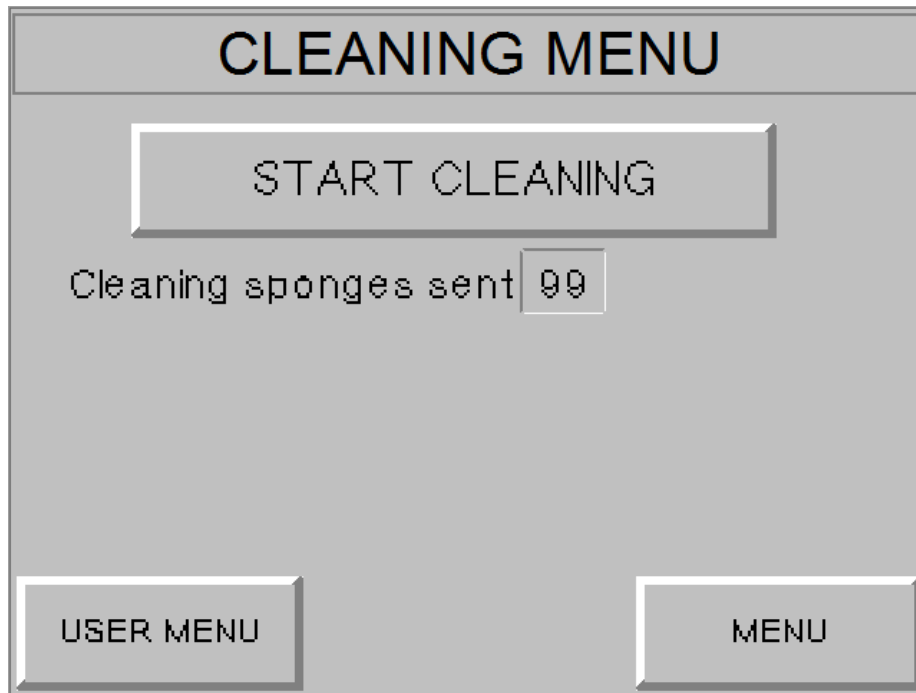
*\*If a disinfectant other than Virkon is used, it may not contain alcohol or similar*

4. Go to dispatch station. Wet three cleaning sponges with the Virkon solution and screw them into the cleaning rack.

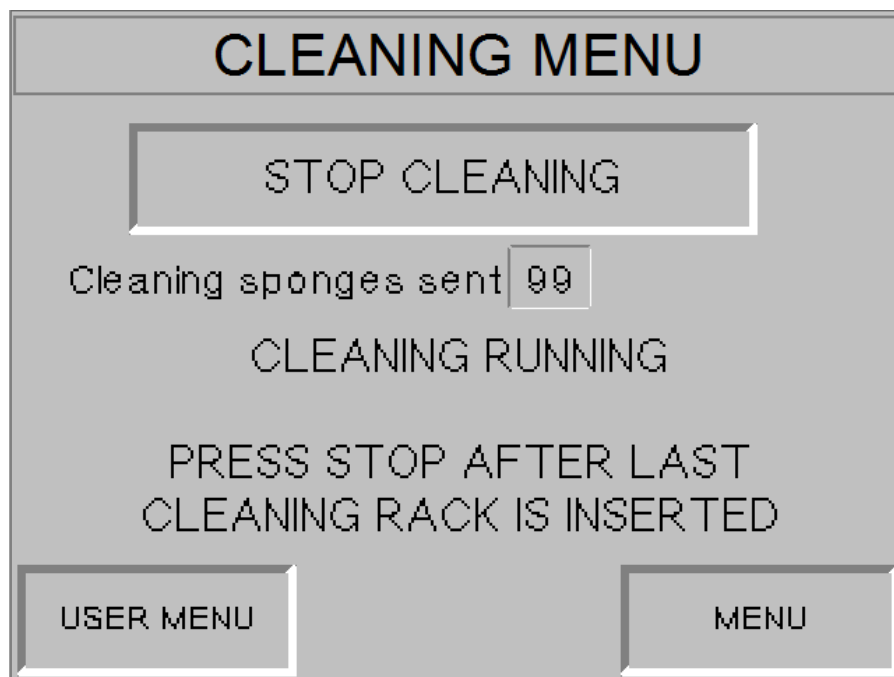


*The sponges must be inserted about 5-10 mm into the rack. None of the ends may protrude.*

5. Press “MENU” at the dispatch station terminal, log in as user and select “USER MENU” and then select “CLEANING MENU”.



6. Press “START CLEANING”. Afterwards the button will change to “STOP CLEANING”.
7. Insert cleaning rack with sponges in the dispatch station. The dispatch station will now automatically dispatch the three cleaning sponges. To repeat the cleaning process insert cleaning rack with sponges until the pipe system is clean. TIMEDICO A/S recommends 9-18 sponges.



8. Press “STOP CLEANING” to deactivate cleaning process and the machine is again ready for use.
9. Remove filter bag from receiver unit and tighten strips.
10. Dispose of the filter bag in accordance with the hospital’s guidelines.
11. Reattach the pipe to the receiving station.

*A preventive cleaning at least every fourth week is recommended to counter bacterial growth.*

### ***3.2 Cleaning the dispatch rack***

The dispatch rack should be cleaned as required. Establishment of a cleaning schedule is recommended, where the guidelines below are used at 90 °C. Other cleaning can be done at 60 °C.

Set the washing machine to pre-rinse the items and then wash them at 60 °C. Rinse the items in clean water and a little citric acid to neutralise the soap. Second rinsing is with clean water. The water is then heated to 90 °C and the temperature maintained for 180 seconds. Lower the temperature to 80 °C by turning off the water and starting drying with the fan.

### ***3.3 Cleaning TEMPUS600® dispatch station***

The power supply **MUST** be disconnected before such a process, as various safety screens must be removed. This process requires specially trained personnel, and only TIMEDICO A/S can approve personnel for such an operation. Disconnect the equipment at the service switch.

When working with the equipment (including cleaning), great care must be exercised with respect to sensors, fibre cables and other electrical equipment.

If cleaning the complete drum or unit is required, the unit must be dismantled for removal of the drum and the other units in question. On subsequent reassembly, parts/joint surfaces can be lightly lubricated with an NSF H1-approved lubricant (sterile oil).

Rinsing and cleaning of stainless steel parts (AISI 304) can be performed with cleaning agents and disinfectants designed for this purpose and capable of undergoing a heat treatment.

Plastic (the washers at both sides of the drum) must be cleaned with agents which do not contain mineral acids and oxidising chemicals. (Care should also be taken to ensure that the material is sensitive to hydrolysis and will therefore be broken down on long-term immersion in water above 60° C). Washers (O-rings in plastic packets) are cleaned with a mild cleaning agent dissolved in hot water.

Electrical components can be cleaned with compressed air (min. 300 mm between the compressed air pistol and the component). Can be wiped with a dry or wrung-out cloth.

Other parts (protective box inside and outside) can be cleaned with a wrung-out cloth (hot water with mild cleaning agent).

In general, agents containing organic solvents may NOT be used.

If use of specific cleaning agents and/or agents not covered by the above is desired, an inquiry should be directed to TIMEDICO A/S for approval thereof – BEFORE use.