

Cleaning and Disinfection Instruction



Content

| | |
|---|---|
| Preamble..... | 3 |
| General guidelines for handling CORE Heat & Enthalpy Exchangers | 3 |
| Cleaning Instruction..... | 4 |
| Disinfection Instruction | 6 |

Preamble

This cleaning and disinfecting instruction refers to CORE Heat Exchangers and Enthalpy Exchangers of the C-, RS-, RC- and RU-Serie.

Please read this instruction carefully before cleaning or disinfecting a CORE Exchanger and follow the given safety precautions.

This instruction was created with utmost care. However, legal claims cannot be derived from it.

We reserve the right to change the content of this instruction partially or completely at any given time without announcement.

General guidelines for handling CORE Heat and Enthalpy Exchangers

- Handle with care
- Only carry the Exchanger by holding the outer casing parts
- Do not throw or drop
- Do not squeeze or twist
- Do not install or remove with force
- Do not touch the air inlet / outlet
- Do not lubricate the Exchanger for installation

Cleaning Instruction

1. Place the Exchanger in a suitable vessel (e.g., a small tub or the shower tray).
2. Rinse the Exchanger with clear water from all sides.
3. Fill the bottom of the vessel with a mild soap solution. Use a cup or similar, to scoop the solution and let it flow into each opening of the Exchanger.



4. Clean the air inlets and housing thoroughly with a broad soft brush.
Treat the air inlets carefully to prevent any damages.



5. Rinse the Exchanger from all sides thoroughly with clear water.



6. Lift the Exchanger from the vessel.
7. Remove the remaining water inside the Exchanger by rotating the Exchanger repeatedly.
8. Dry the Exchanger carefully with a dry cloth.
9. Let the Exchanger dry for at least one day well-ventilated before putting it back into the ventilation unit.
The Exchanger should be rotated repeatedly during drying to ensure a complete drainage of the water.

Disinfection Instruction

Please be aware that the following disinfection instruction only applies to the Exchangers of the CORE C-, RS-, RC-, and RU-Series.

Safety notes for using Sodium Hypochlorite Solution 1%

Please read and follow the safety notes on the product label as well as the manufacturer's safety data sheet.

The sodium hypochlorite solution must be handled with utmost care. There is a risk of explosion if sodium hypochlorite reacts with other substances, e.g. reduction agents, amines, formic acid, methanol, organic substances and other compounds. Furthermore, inhaling occurring vapors might damage the mucous membranes.

Also, there is the chance of a strong reaction of sodium hypochlorite with acids (e.g. hydrochloric acid, nitric acid) and oxidants (e.g. hydrogen peroxide, permanganate) which can cause the development of heat and evaporation of chlorine and / or chloric gases.

Solar irradiation or other sources of heat might cause the decomposition of sodium hypochlorite which causes the evaporation of chlorine, hydrochloride acid, chlorine dioxide and oxygen. Please keep that in mind when storing the solution.

Safety Precautions

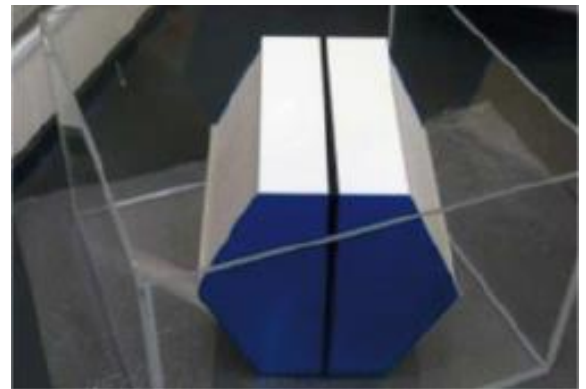
- Work in a ventilated room. If possible, work under a flue. Do not inhale the substance.
- Appropriate safety wear is recommended when handling sodium hypochlorite solution. Protect your skin and eyes from direct contact. Please wear protective gloves made of latex, nitrile, or butyl rubber. There is no need for respiratory protection.
- General hygiene measures: Please adhere to the common rules for handling chemicals. Avoid contact of the solution with skin or eyes. Take off contaminated clothes. Wash your hands thoroughly before taking a break and after work. Don't eat, drink or smoke while working with sodium hypochlorite.
- Measures for fire and explosion protection: The standard safety measures for fire protection apply. Please follow the notes on the label. Solution is not flammable.
- Do not use together with other chemicals, cleaning agents etc.
- Do not discharge into drains, soil, surface or ground water.
- Storage: Keep container tightly closed in a cool, dry, well-ventilated place. Protect from heat. Protect from light. Keep in closed original container. Do not store in food containers to avoid confusion.
- Disposal: Hand in content / container to an authorized collection point.

Procedure

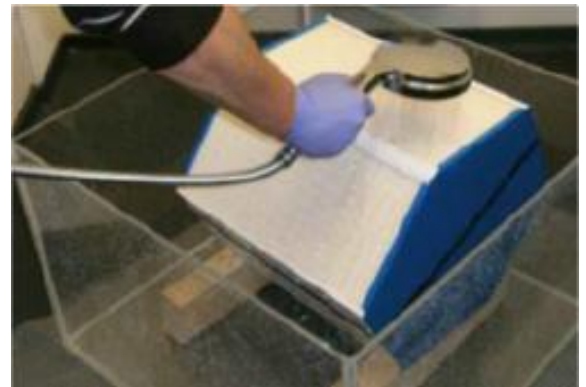
ATTENTION! Read the safety precautions before the disinfection!

ATTENTION! Carry out a cleaning process before starting the disinfection!

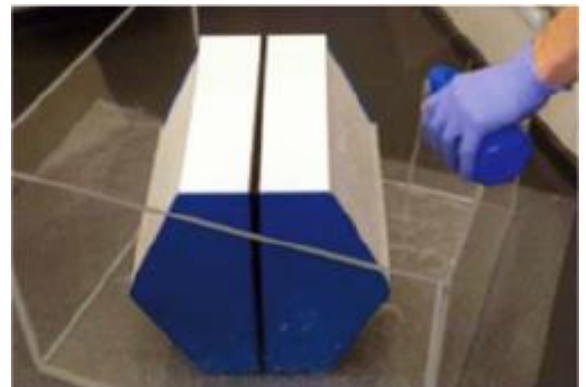
1. Place the Exchanger in a suitable vessel (e.g., a small tub or the shower tray).



2. Rinse the Exchanger with clear water from all sides.



3. Fill the bottom with a sodium hypochlorite solution 1 % (approx. 2 cm).



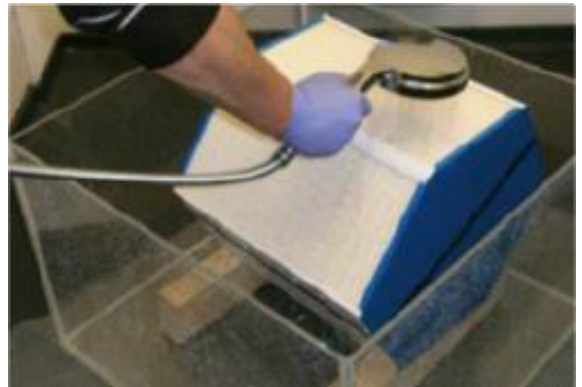
4. Use a cup or similar, to scoop the solution and let it flow into each opening of the Exchanger (every open side). Repeat this procedure twice to assure a complete wetting of the membrane and channels.



5. Leave the Exchanger to stand for approx. 15 minutes.
6. Lift the Exchanger to let the remaining sodium hypochlorite solution drain from the Exchanger. Take it out of the vessel.
7. Empty the vessel and make sure none of the sodium hypochlorite solution remains in it.



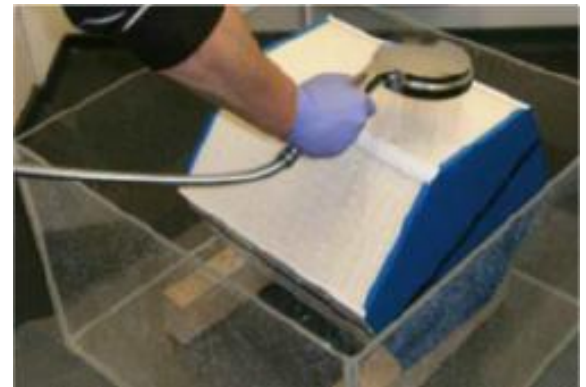
8. Put the Exchanger back into the vessel and thoroughly rinse it from all sides with clear water.



9. Pour a mild soap solution into all open sides of the Exchanger.



10. Rinse the Exchanger thoroughly from all sides with clear water.



11. Lift the Exchanger from the vessel.
12. Remove the remaining water inside the Exchanger by rotating the Exchanger repeatedly.
13. Dry the Exchanger carefully with a dry cloth.
14. Let the Exchanger dry for at least one day well-ventilated before putting it back into the ventilation unit. The Exchanger should be rotated repeatedly during drying to ensure a complete drainage of the water.

Visit us at www.core.life to learn more about us and our products.

We look forward to hearing from you!



