

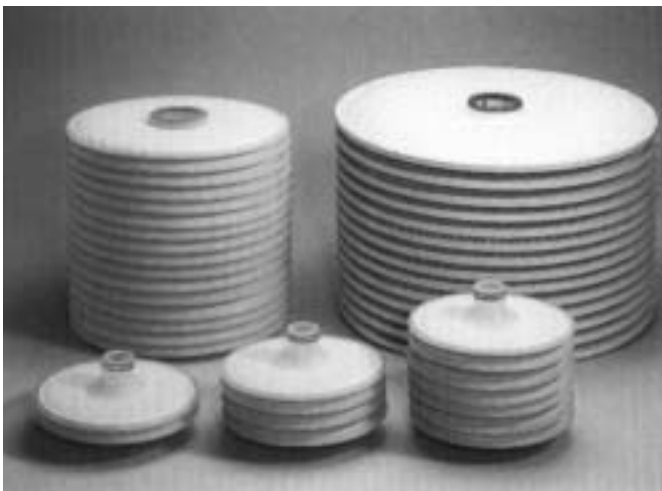


Fluid Purification

SPECIFICATIONS

Microfiltration Products

## STORAGE OF ZETA PLUS® CARTRIDGES



### INTRODUCTION

ZETA PLUS cartridges can be stored in a closed housing between two filtration cycles.

The filters should be washed before the preservation treatment.

Different preservation treatments can be applied, according to the period of storage between uses.



## A) PRESERVATION IN AN EMPTY FILTER HOUSING

After filter sterilisation, particularly after steaming, one can preserve the filter cartridges in an empty filter housing.

### 1) Short term storage period eg. one night.

After steam sterilisation, let filter cool with vent valve D open. This prevents partial vacuum in filter housing due to steam condensation. Air will only be introduced on upstream side of filter cartridges.

### 2) Medium term storage period eg. one week-end.

Leave valve D closed. You must use clean or sterile gas to fill housing. It is advised to have an air or gas purification or sterilising system.

Filter preservation in an empty housing is not advised for periods longer than two days.

## B) CARTRIDGES PRESERVATION IN AQUEOUS SOLUTION

The use of commercially available sterilising solutions is the simplest and safest method. Compatible solutions can be used repeatedly and can allow preservation of the filters during short shutdown periods, eg. week-ends.

### 1) Preservation for short or medium periods.

*(One night to a week-end).*

After chemical sterilisation of the filter, the housing is then filled with disinfectant solution or hot water at 90°C.

Close all valves (A, B, C, D, E, F, G, H, I, J).

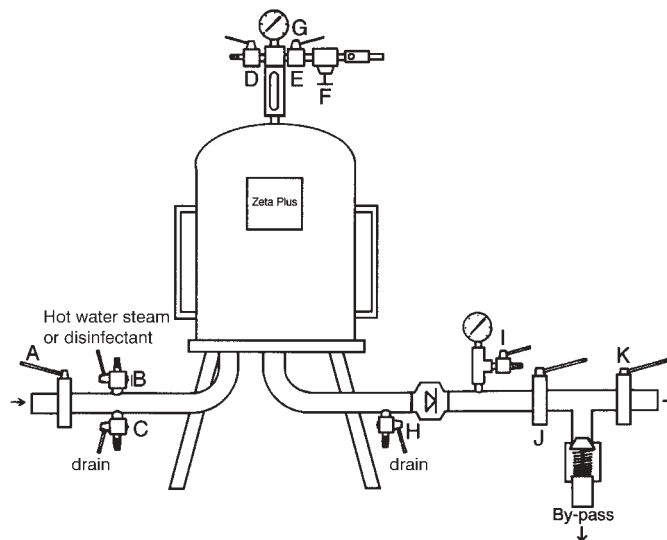
### 2) Long period preservation

The filter should be treated as above but the disinfectant solution must be renewed as often as necessary to maintain the necessary chemical activity.

For example, a solution of 1g/litre SO<sub>2</sub> may need to be renewed every week.

- Drain out the filter housing by opening drain valves H, then C and D.
- Close drain valves C and H and then fill with new solution through valve B. Close valves B then D when the housing is full and disinfectant solution flows from valve D.

FIGURE 1



## IMPORTANT NOTICE FOR USE

- For commercially available chemical products **it is advised to check compatibility** with pump, stainless steel, gasket, filter cartridges and product to be filtered. For details ask your local CUNO contact.
- Comply with manufacturer's recommendations for solution concentration and contact time.
- When rinsing the filter before use it is important not to concentrate the disinfectant solution on filter cartridges. For this it is advised first to drain out the housing completely through valve C, vent D being opened. When filter is empty close drain C, fill housing with clean water and close vent. Rinsing water will be drained through H. Do not recirculate drain water and do not use it for another filter.

### Your Local Distributor :

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Cuno's Scientific Applications Support Services (SASS) is staffed by scientists and engineers, with state-of-the-art laboratory facilities.

The SASS staff, familiar with a wide range of filtration and separation applications, work closely with the customer to recommend the most effective and economical Cuno filtration systems.

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