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KATALOX

LIGHT

FILTER MEDIA

Instruction Manual

KATALOX
LIGHT

**Preparation Procedures
For Cartridges & POU Filters.**

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Katalox Light (Catalytic Filtration Media):

Katalox Light is a high-performance catalytic filter media designed for efficient removal of a broad spectrum of contaminants, including iron, manganese, hydrogen sulfide, arsenic, and other heavy metals. It offers high filtration capacity and long service life, making it ideal for **residential, commercial, Point-Of-Use (POU), Point-Of-Entry (POE)** and industrial applications.

Cleaning of Katalox Light Filter Media using Pressure Vessel

To ensure optimal performance and filtration of **Katalox Light** filter media, it is crucial to properly clean and prepare the media before installation. Follow these detailed steps:

Required Equipment:

Pressure vessel with appropriate connections

Clean water source

Clean drying tray or surface

- It is highly recommended to wash the media thoroughly before using in cartridges/ POU system
- Use of pressure vessel (Manual or Automated) for washing and cleaning media, ensures that Katalox light filter media is thoroughly cleaned and prepared, leading to optimal performance and longevity in your filtration system.
- Backwash velocity: 26-35 m/h

Step 1: Pre-Washing

- Load the Katalox Light media into the pressure vessel.
- Connect the pressure vessel to the clean water source.
- Slowly open the inlet valve to fill the vessel with water, ensuring the media is fully merged.
- Agitate the media by periodically opening and closing the outlet valve to create turbulence.
- Pre-wash approximately for 15 Minutes

Repeat: Continue this process until the rinse water exiting the vessel runs clear.

Step 2: Backwashing

- Make sure that pressure vessel is connected to clean water source for backwashing
- Configure the pressure vessel for backwashing Mode - Open the backwash valve to reverse the flow through the media bed, lifting and separating the media to remove trapped contaminants.
- Backwash for approximately 45 - 60 min

Continue: Keep backwashing until the water exiting the vessel runs clear.

Step 3: Fast Rinse

- After backwashing, switch the pressure vessel back to the normal flow configuration

Rinse: Perform a final rinse by running clean water through the vessel until the water exiting the vessel is completely clear and free of any residues.

Step 4: Unload and Drying

- Take the cleaned media out of the pressure vessel.
- Spread the media evenly on a clean drying tray or clean surface.
- Allow the media to air dry completely. This may take several hours to a day, depending on ambient conditions.

Ensure: Make sure that Katalox light media is completely dry before storage.

Step 5: Storage

Container: Place the dried Katalox Light media in a clean bag or drum with a seal to prevent contamination and moisture absorption.

Storage Conditions: Store the container in a cool, dry place until ready for use.

Further Use / Installation:

Now the cleaned and dried Katalox Light Media can be used according to the requirements of your system design and cartridges.

By following these steps, Katalox Light filter media will be properly cleaned and prepared for optimal performance in POU cartridges, ensuring effective removal of contaminants.

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