

## Manual



### HL2024 Connect

#### Mixer optimisation

The HL2024 Connect provides a constant flow, saves water, significantly reduces temperature fluctuations and creates optimal user comfort. The HL2024 Connect does that by largely eliminating the influence of pressure fluctuations into thermostatic and non-thermostatic (shower) mixers.

Read this manual carefully.

## Packaging contents (in case of paired packaging)

2 x	HL2024 Connect
4 x	Fiber washer 24.0 x 17.0 x 2.0 mm

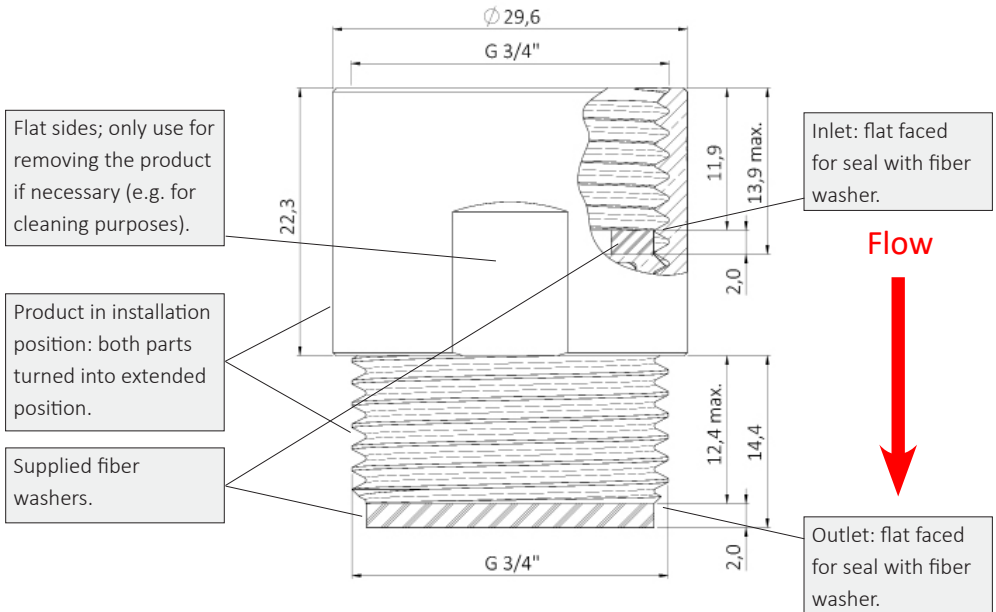


Image: HL2024 Connect (dimensions in mm)



- Always use new fiber washers that meet the original specifications on the inlet and outlet of the product.
- Never use multiple washers in one seal.



- Start installation with the product in its extended position in which the inner and outer sleeve are turned away from each other until the stop.
- Preferably, do not use wrenches or other grabbing tools on the product. Instead, hand-tightening the product and tightening the mixer swivels with a wrench should result in a water tight seal in most cases.
- Do not use excessive force to install the product.

## Installation

Install one HL2024 Connect on each inlet of the (shower) mixer:

1. Shut off the system water pressure, remove the mixer and make sure there is no dirt in the piping.
2. Remove old washers and any dirt present from the S-connections in the wall and from the inlets of the mixer.
3. Place one fiber washer in each mixer swivel. Measure the remaining depth of the swivels.
4. Place one fiber washer in the inlet side of each HL2024 Connect.
5. Install both HL2024 Connects - in their extended installation position: both parts turned apart until stop - onto the S-connections and up to the rosette by hand. The flow arrow on the HL2024 Connect indicates the flow direction. Hand-tighten the inner sleeve. For a good seal, the inner sleeve must now protrude 0.5 mm further than the measured depth from step 3.
6. Re-install the mixer on the outlets of the HL2024 Connects and tighten the mixer swivels.
7. Re-open the system water pressure.
8. Let the tap run briefly so that the fiber washers get wet and seal. The products may leak slightly until the fiber washers expand and seal after about 30 seconds. If this is not the case, check that the product and the mixer swivels are properly tightened. If necessary, follow the above steps again with new and dry fiber washers.



If present, remove any existing flow limiters upstream and downstream of the product in order to guarantee the optimal performance of the product.



**kiwa** 

Image: Installed HL2024 Connect with integrated HL2024 Flow Controller

## Maintenance and cleaning

The product is maintenance-free with the exception of the following:

Possible residue that originates from the water system and that exceeds the maximum particle size for the product (see product Data Sheet) will collect on the meshes inside of the product. This needs to be removed by removing the entire product from the piping. Hold the product upside down, submerge in clean water and shake until dirt falls out. Rinse with clean water prior to re-installation. After re-installation, run the water for a few seconds to allow the new fiber washers to expand for a watertight fit. Keep the product clean for optimal functionality.

### Lime residue

In exceptional circumstances, some lime may collect on the inside of the product. This is however very rare because (1) the product is permanently submerged in water, (2) the used materials are not expected to collect lime and (3) the flow speed in the product is very high. In the unlikely case that there is some lime residue, this can best be cleaned out with a mild lime descaler.



After maintenance / cleaning, always use new fiber washers that meet the original specifications.



DO NOT in any way disassemble the product under any circumstance and do not replace parts with parts of other manufacturers. Disassembly of the product leads to product damage, loss of functionality and irrevocable loss of warranty.

## Careful use of HL2024 products

HL2024 products must only be used for their intended purpose and under the appropriate circumstances. To this end, the following must be observed.

1. The products are used with care. In this context, careful use means:
  - a. The product is only used for the application for which it is intended;
  - b. The product is installed and treated with care;
  - c. The product is maintained and cleaned when necessary;
  - d. The product is only used under conditions that (drinking) water installations must legally comply with;
  - e. The product is used according to the instructions in this manual and according to the product specifications and criteria as set out in the product Data Sheet.

## Careful use of HL2024 products - continued

2. The products are not exposed for a prolonged period, that is to say within a permanent or semi-permanent installation setting, to a water pressure of 500 kPa (dyn) or more in combination with a temperature of 60 °C or more. This does not include brief and incidental higher pressures and higher temperatures within the product's allowed operating conditions.

For (desired) application within a permanent or semi-permanent installation setting with a water pressure of 500 kPa (dyn) or more in combination with a temperature of 60 °C or more, please first contact the sales organisation for HL2024 products: Cenergist.



## Contact

For enquiries, please contact Cenergist.

Cenergist is the sales organisation for HL2024 products.

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