

# DATA SHEET - HL2024 Connect

Pressure independent flow controller. Optimal and instant control of (shower) mixers.



## Figure number: 1120



Top left: HL2024 Connect

Bottom right: HL2024 Connect - dimensions (in mm)

### Specifications

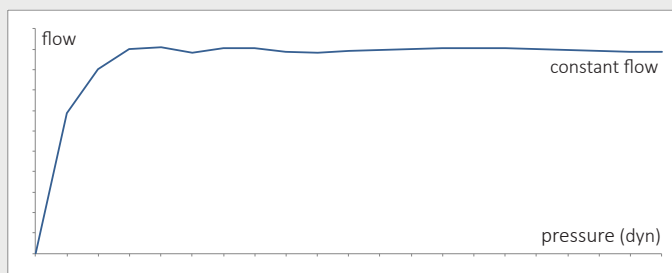
Mounting: at hot and cold mixer inlets  
Connection inlet: G 3/4" (BSPP) female  
Connection outlet: G 3/4" (BSPP) male  
Built-in length: 22,3 mm (visible part after installation)  
Diameter: 29,6 mm  
Weight: 63 g  
Housing material: brass (4MS)  
Finish outside: chrome plated  
Finish water contact area: n/a  
Max. particle size: 400 µm  
Max. operating temperature: 90 °C \*

### Flow rate versions

5,0 l/min (150-1.000 kPa/dyn)  
7,8 l/min (200-1.000 kPa/dyn)

### Constant flow: pressure independent

Flow deviation within mentioned dynamic pressure range: max. 2%. \*\*  
The graph shows the constant flow performance of HL2024 products.



\* In case of permanent or semi-permanent use at 500 kPa/dyn or more combined with 60 °C or more, please contact us at [info@hl2024.com](mailto:info@hl2024.com).  
\*\* Different types of mixers have different counter-pressures. This might somewhat influence the flow rate.

### Product overview

#### Mixer optimisation

The HL2024 Connect provides a constant flow, 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.

#### Certified constant flow

HL2024 products are pressure independent and as such provide a constant flow as certified by Kiwa, Netherlands (BRL-K635). The products meet the requirements for Kiwa Water Mark and primary European drinking water standards. All HL2024 products contain one or more integrated HL2024 Flow Controller(s). HL2024 is uniquely certified for pressure independence and long term operation and is patented in 29 countries worldwide.

#### Application

At thermostatic and non-thermostatic (shower) mixers.

#### Key properties

- Optimal water temperature stability
- Optimal flow control as a result of constant flow
- Definition of peak volume demand per mixer
- Water- and energy savings
- System stabilisation
- System pressure loss reduction

