

# DATA SHEET - HL2024 Inline 1P 1/2" f-m

Pressure independent flow controller. Ensures optimal flow control.



Top left: HL2024 Inline 1P 1/2" f-m

Bottom right: HL2024 Inline 1P 1/2" f-m - dimensions (in mm)

## Specifications

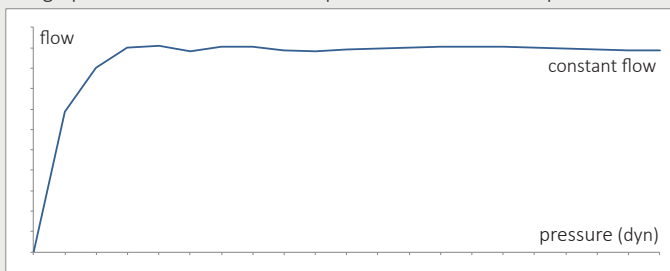
Mounting: into the piping and/or to a flexible water hose  
Connection inlet: G 1/2" (BSPP) female, flat face  
Connection outlet: G 1/2" (BSPP) male, flat face  
Total length (including thread): 51.5 mm  
Thread depth female (including thread undercut): 10.5 mm  
Thread length male (including thread undercut): 11.5 mm  
Widest point: 26.5 mm  
Weight: 80 g  
Housing material: brass (4MS)  
Finish outside: none  
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 [comercial@cenergist.com](mailto:comercial@cenergist.com)

\*\* Counter-pressure in the system might somewhat influence the flow rate.

## Figure number: 1140

### Product overview

#### Optimal flow control

The HL2024 Inline creates a constant flow through its unique property of pressure independence. As such it ensures savings, optimal user comfort and system stabilisation. Installed into the piping towards both inlets of mixer taps, the product significantly reduces temperature fluctuations.

#### 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.

#### Application

In the piping or connected to a flexible water hose.

#### Key properties

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

