

DATA SHEET - HL2024 Inline Cartridge 3P 3/4"

Pressure independent modular flow regulator. Ensures optimal flow control for high flow rates.



Figure number: 1340

Product overview

Optimal flow control and quick maintenance

The HL2024 Inline Cartridge creates a constant flow through its unique property of pressure independence. Fitted into the piping, the HL2024 Inline Cartridge is optimally suitable to control flows into specified areas of any water system. As such it ensures system stabilisation, optimal user comfort and savings.

Certified constant flow

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

Application

In the piping.

Key properties

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



Top left: HL2024 Inline Cartridge 3P 3/4"

Bottom right: HL2024 Inline Cartridge 3P 3/4" - dimensions (in mm)

Specifications

Mounting: into the piping

Connection inlet: G 3/4" (BSPP) male

Connection outlet: G 3/4" (BSPP) male

Total length (including thread): 67,0 mm

Thread length male (including thread undercut): 11,0 mm

Diameter: 53,0 mm

Weight: 537 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 (combination of HL2024 inserts):

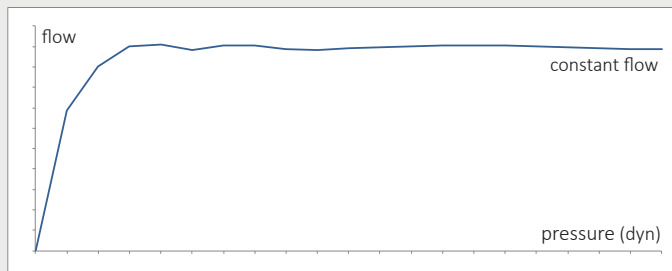
5,0 | 7,8 | 10,0 | 12,8 | 15,0 | 15,6 | 17,8 | 20,6 | 23,4 l/min

150/200-1.000 kPa/dyn (depending on HL2024 insert combination)

Constant flow: pressure independent

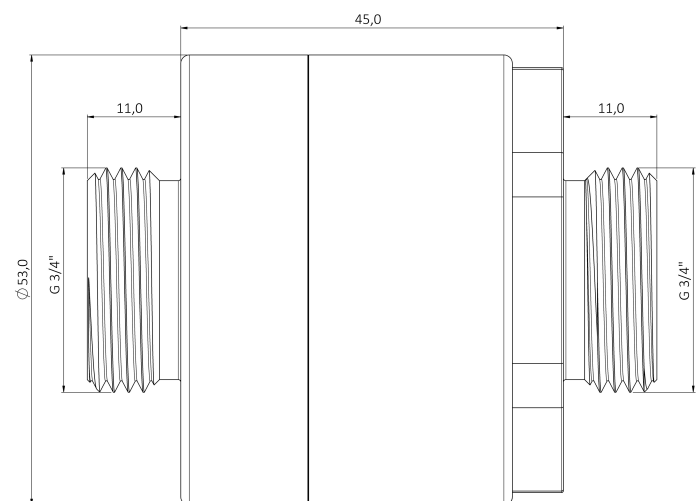
Flow deviation within mentioned dynamic pressure range: max. 2%. **

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.

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



Note: dimensions as shown do not include sealing rings for installation