

# Water Saving Tap Flow Restrictors

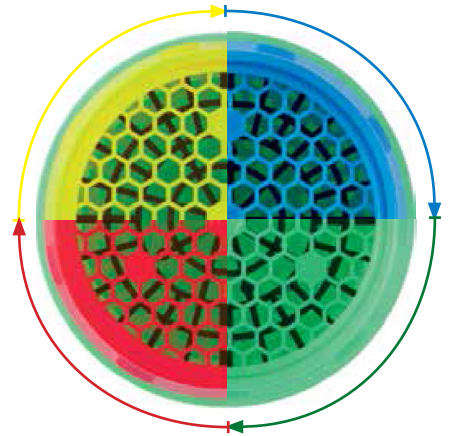
No plumbing required to fit. Simply replace existing tap aerator or flow straightener

## RP/CLINIC Honeycomb Laminar and Flow Restrictor model

Neoperl® Clinic was developed based on these three factors.

1. In medical facilities, tap flow regulators help to prevent water unintentionally landing on surfaces and splashing. This means they reduce the risk of pathogens being transmitted.
2. Although a recent expert report shows that traditional vented aerators do not present a significantly higher risk of infection through inhalable pathogens, we recommend using laminar flow inserts. These almost completely prevent the intake and distribution of contaminated aerosol particles.
3. Various environmental factors in a medical facility can lead to biofilm growth on a flow straightener. We recommend replacing them routinely. Exactly how often they should be replaced is up to the individual medical facility, but Neoperl's colour coding system provides staff with an easy-to-see visual reminder to when it is time to renew the tap nozzle insert.

Four colours, more safety



### Laminar with Restrictor

Designed to allow a predetermined flow at a specified pressure. By definition, restricted devices provide insufficient flow at low pressure and excess flow at high pressure.

### Flow Rates

Where flow rates are stated in gallons/min (**gpm max.**) this refers to a US gallon (3.8 litre/min approx.) and the flow rate will not exceed that stated as long as the water pressure is correct. Where flow rates are stated in litres/min (**l/min**) this is subject to  $\pm 10\%$  deviation provided the water pressure is correct.

### Exchange cycle

The exchange cycle needs to be set by the facility itself since the water and the operating conditions have a huge effect on the potential microbiological contamination.



### FEATURES

- Laminar stream, which does not draw in air
- Minimal spray and aerosol formation eliminate risk to the drinking water in terms of microbial growth through legionella or pseudomonas
- Improved safety and hygiene thanks to an effective four-colour concept – each colour symbolises a replacement cycle. This means it is easy to recognise and monitor whether replacement is taking place regularly and correctly
- Only suitably hygienic and verified material is used, in line with DVGW W270
- With an integrated flow limiter which ensures that a water flow of approx. 7.5–9 l / min comes out of the tap at a pressure of 3 bar. This type of flow restriction makes a significant contribution to preventing unnecessary contamination as a result of water spray.

### AVAILABLE SIZES & HOUSINGS

#### STANDARD (STD)

Female M22

Male M24

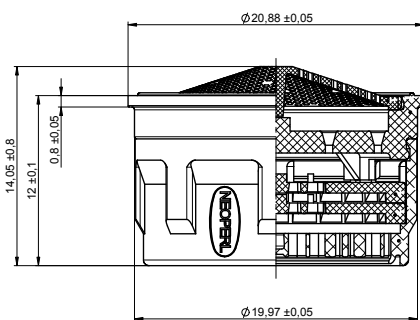
To allow the coloured HONEYCOMB Clinic inserts to be visible the housings are shorter than conventional housings

## Standard (STD) Size Laminar with Restrictor

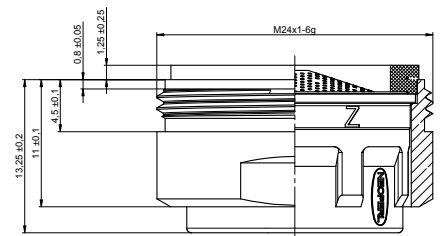
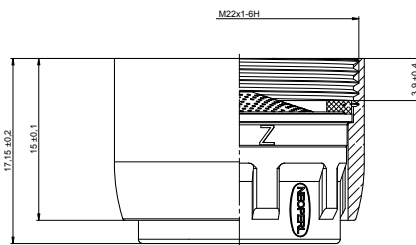
Designed to allow a predetermined flow at a specified pressure. By definition, restricted devices provide insufficient flow at low pressure and excess flow at high pressure

Standard (STD) Models with Restrictor			Order Codes		
Flow Rate (Litres/min) at 3 bar Water Pressure	Colour Code		Standard (STD) Insert only	c/w Female M22 Housing & Washer	c/w Male M24 Housing & Washer
Z	7.5 - 9.0 l/min at 3 bar	Blue	RP/40.2102.0A0	RP/40.2102.2A3	RP/40.2102.3A3
Z	7.5 - 9.0 l/min at 3 bar	Green	RP/40.2102.0B0	RP/40.2102.2B3	RP/40.2102.3B3
Z	7.5 - 9.0 l/min at 3 bar	Red	RP/40.2102.0C0	RP/40.2102.2C3	RP/40.2102.3C3
Z	7.5 - 9.0 l/min at 3 bar	Yellow	RP/40.2102.0F0	RP/40.2102.2F3	RP/40.2102.3F3

### STD Honeycomb Clinic



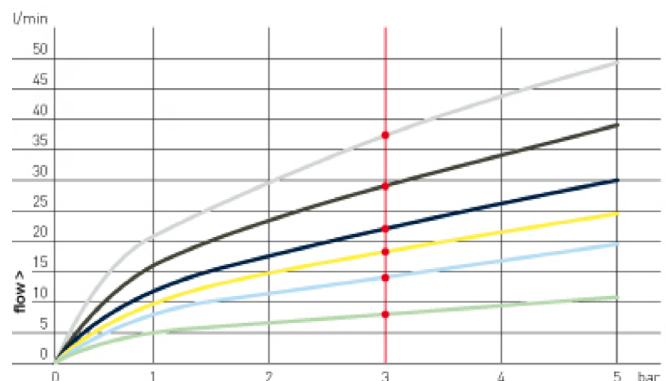
### Female M22 and Male M24 Neoperl® chrome housing Dimensions for standard (STD) insert.



## Neoperl Clinic – Laminar with restrictor flow rates (Class Z)

Dynamic pressure: 3 bar. Designed to allow a predetermined flow at a specified pressure. By definition, restricted devices provide **insufficient flow at low pressure** and **excess flow at high pressure**.

Flow rate class	Flow rate range per l/min	Dynamic pressure
Z	7.5–9.0 l/min	3 bar
A	13.5–15.0 l/min	3 bar
S	18.0–19.8 l/min	3 bar
B	22.8–25.2 l/min	3 bar
C	27.0–30.0 l/min	3 bar
D	34.8–37.8 l/min	3 bar



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