NEOPERL Watersaving Products - simple, effective and low cost solutions

brought to you by

Verteco
Aerators

Aerators are found in nearly all kitchen and lavatory faucets. An aerator is a key component in the overall performance of the faucet. Here is how you should expect your aerator to perform: control the stream straightness and diameter; reduce splash by aerating the stream and eliminating side spray; save water and reduce energy costs; meet local plumbing codes and standards.

Aerator - Atomizers are special aerators with a minimal flow rate (water-used, the wetted surface is quite huge.

Large variety of flow rates available.

Aerators CASCADE®, SLC aerator = SLC (Smart Lime Cleaning), for a maximum lifespan of your faucet. Removing limecals is easy thanks to a soft elastomer layer.

PCO-01 1/2” Washer Regulator

A water saving element for shower hoses. A washer with dual function: flow regulating and sealing. Easy to install and therefore perfect for retrofit. The existing washer of the shower hose can easily be replaced by the PCO-01 washer regulator.

PCO-01 4 (min) (dark grey) part no. 58.8634.1
PCO-01 6 (min) (black) part no. 58.8636.5
PCO-01 9 l/min (orange) part no. 58.8639.5
PCO-01 12 l/min (red) part no. 58.8642.5

Large variety of flow rates available.

PCO-02 1/2” Washer Regulator

A water saving element for bib taps and shower handles. A washer with dual function: flow regulating and sealing. Easy to install and therefore perfect for retrofit. Shower handles can be equipped with this flexible silicone adapter before installation. Its flexible turbine fits in various tube diameters from 11 to 16mm.

PCO-02 4 (min) (dark grey) part no. 58.9086.5
PCO-02 6 l/min (black) part no. 58.9088.5
PCO-02 9 l/min (orange) part no. 58.9089.5
PCO-02 12 l/min (red) part no. 58.9094.5

Large variety of flow rates available.

PCR-E 1/2” × 1/2” Shower Connection

A water saving element for shower faucets. Simply insert the ¼” screw connection between faucet and shower hose. Easy to install and therefore perfect for retrofit.

PCR-E 4 l/min (grey) part no. AS.2213.0
PCR-E 6 l/min (black) part no. AS.2217.0
PCR-E 9 l/min (orange) part no. AS.2229.5
PCR-E 12 l/min (red) part no. AS.2230.5

Large variety of flow rates available.

NEOPERL® PCA® Watersaving Technology

There are two options to control the flow. The most common option is a fixed orifice designed to allow a predetermined flow at a specified pressure (e.g. 3 bar). These products are referred to as “restricted” in the NEOPERL literature. By definition, restricted devices provide insufficient flow at low pressure and excess flow at high pressure. The other option is the flow regulator technology. The pressure compensating flow regulator ensures a constant flow rate regardless of pressure fluctuations.

Working Principle Flow Regulator

Static conditions (no flow, or low pressure)

The elastomer is relaxed (position 1).

Dynamic conditions (flow, or high pressure)

The elastomer subjected to the line pressure is compressed into the seating area which reduces the water passage further (position 3). As the pressure decreases the elastomer relaxes and reopens the water passage (return to position 2 and 1).
Aerators

Aerators are found in nearly all kitchen and lavatory faucets. An aerator is a key component in the overall performance of the faucet. Here is how you should expect your aerator to perform: control the stream straightness and diameter; reduce splash by aerating the stream and eliminating side spray; save water; and reduce energy costs; meet local plumbing codes and standards.

PERLATOR® HONEYCOMB® aerator: the classic aerator for decades, proven worldwide.

CASCADE® aerator: new face design, specially made against liming.

CASCADE® SLC aerator – SLC (Smart Lime Cleaning), for a maximum lifespan of your faucet aerator. Removing limescale is easy thanks to a soft elastomer layer.

Dual Flow Units

Neoperl’s range of dual-flow aerator units offers a flowrate of just 0.2 l/min (approx. 0.05 gpm). This means massive water savings over common aerators.

Default: Atomized Stream
(0.2 litres/min | 0.05gpm)

After Switch: Spray Stream
(Flow regulated 1.2gpm max)

Large variety of flow rates available.

DESCRIPITION Insert Female M22×1 Male M24×1

PERLATOR® HONEYCOMB®

PCF 1.0 gpm max
(3.8 l/min)

part no. 40.2056.000
part no. 40.2056.023
part no. 40.2056.033

CASCADE®

part no. 40.0058.000
part no. 40.0058.023
part no. 40.0058.033

CASCADE® SLC

part no. 40.1059.000
part no. 40.1059.023
part no. 40.1059.033

PCR-E 1/2” x 1/2” Shower Connection

A water saving element for shower faucets. Simply insert the ½” screw connection between faucet and shower hose. Easy to install and therefore perfect for retrofit.

PCR-E 4 l/min (grey) part no. A5.2213.0
PCR-E 6 l/min (black) part no. A5.2217.0
PCR-E 9 l/min (orange) part no. A5.2223.0
PCR-E 12 l/min (red) part no. A5.2226.0

Large variety of flow rates available.

Dual Flow Aerator - Slide part no. 07.6531.000

Dual Flow Aerator - Push part no. 07.6530.000

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Position 1

Static conditions (no flow, or low pressure)
The elastomer is relaxed (position 1).

Position 2

Dynamic conditions (flow)
The elastomer subjected to the line pressure is compressed into the seating area which reduces the water passage (position 2). As the pressure increases the elastomer is compressed further into the seating area and reduces the water passage further (position 3). As the pressure decreases the elastomer relaxes and reopens the water passage (return to position 2 and 1).

Working Principle Flow Regulator

Restrictor vs. flow regulated
NEOPERL water saving products ensure that as much water as necessary is used (Customer satisfaction), but only as little as possible is consumed (Environmental protection) to provide comfort of use while conserving water.

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**CASCADE® SLC aerator – SLC**

(Smart Lime Cleaning), for a maximum lifespan of your faucet aerator. Removing limescale is easy thanks to a soft elastomer layer.

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**PERLATOR® HONEYCOMB®**

- **CASCADE® aerator:** new face design, specially made against liming.
- **PCA®:** 0.5 gpm max.
- **HONEYCOMB®**

A water saving element for shower faucets. Simply insert the ½” screw connection between faucet and shower hose. Easy to install and therefore perfect for retrofit.

A water saving element for bib taps and shower handles. A washer with dual function: flow regulating and sealing. Easy to install and therefore perfect for retrofit. The existing washer of the shower hose can easily be replaced by the PCW-01 washer regulator.

**PCW-01 1/2” Washer Regulator**

A water saving element for shower hoses. A washer with dual function: flow regulating and sealing. Easy to install and therefore perfect for retrofit. The existing washer of the shower hose can easily be replaced by the PCW-01 washer regulator.

**PCW-02 1/2” Washer Regulator**

A water saving element for bib taps and shower handles. A washer with dual function: flow regulating and sealing. Easy to install and therefore perfect for retrofit. The existing washer of the shower hose can easily be replaced by the PCW-01 washer regulator.

**PCR-E 1/2” x 1/2” Shower Connection**

A water saving element for shower faucets. Simply insert the ½” screw connection between faucet and shower hose. Easy to install and therefore perfect for retrofit.

**Working Principle Flow Regulator**

**NEOPERL® PCA® Watersaving Technology**

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**Position 1**

Static conditions (no flow, or low pressure) The elastomer is relaxed (position 1).

**Position 2**

Dynamic conditions (flow) The elastomer subjected to the line pressure is compressed into the seating area which reduces the water passage further (position 2). As the pressure increases the elastomer is compressed further into the seating area and reduces the water passage further (position 3). As the pressure decreases the elastomer relaxes and reopens the water passage (return to position 2 and 1).
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