



Faucet application: water saving aerator



PCW-02 Washer Regulator with dual function:
flow regulating and sealing

NEOPERL water savers limit the flow of water in dishwashers, faucets, showers – nearly irrespective of the water pressure: the right amount of water is delivered, neither too little nor too much. A large portion of this saving is hot water. By using less hot water, energy is saved and CO₂ emissions are reduced. Comfort of use is assured because the water coming out of a water saving faucet is mixed with more air resulting in a full stream, light and pleasant.



Small parts – great effect.



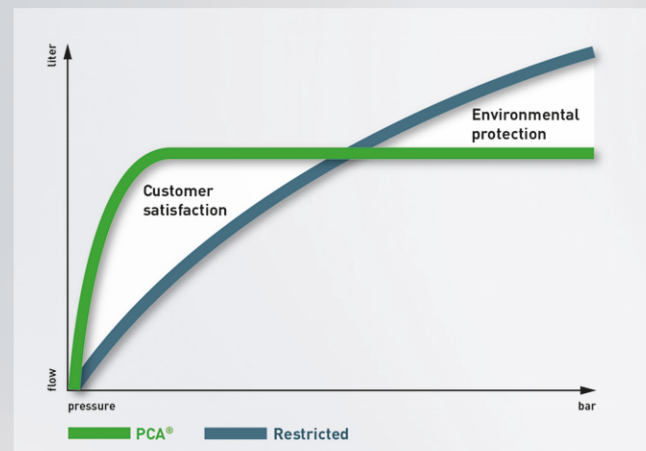
**Save water. Save energy. Reduce CO₂
with NEOPERL products.**

NEOPERL®

flow, stop and go®

Watersaving Technology

NEOPERL's 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.



The integrated Technology: Flow regulator

The pressure compensating flow regulator produces – by means of the o-ring – a mostly constant flow rate nearly irrespective of pressure fluctuations.



Static conditions (no flow, or low pressure)

The elastomer is relaxed (position 1).

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).

Products

Faucet: Watersaving Aerators

CASCADE® SLC® PCA® Aerator



We recommend CASCADE® SLC PCA® ~5.0 l/min

Large variety of flow rates available for different applications and hydraulic conditions.

Shower: PCW-02 Washer Regulators

A washer with dual function: flow regulating and sealing. This water saving element is easy to install and therefore perfect for retrofit. Simply substitute the washer of the shower handle with the 1/2" PCW-02 Washer Regulator.



We recommend 1/2" PCW-02 ~9 l/min

Large variety of flow rates from ~5 to ~12 l/min available.

We at NEOPERL want to bring about a change and motivate our customers to optimize their energy efficiency on a daily basis. With NEOPERL products you save water. A large part of the savings involves hot water. By using less hot water, energy is saved and CO₂ emissions are reduced. This is your personal contribution towards protecting the environment, according to the motto: everybody, every day, in every little way.

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