



WATER SAVER SOLUTIONS

Water conservation policy and program initiatives targeted at the commercial and institutional sector often focuses on reducing the amount of water used by in-line water savers & flow controls with plumbing fixtures. Water conservation measure through these in-line water savers is typically one of the major components in water reduction strategies where water saving plumbing fixtures or low-flow faucets are not available. These water savers are typically used between the showerhead arm or water faucets and water inlet pipes; also installed at the faucet spout end to provide a specified flow rate at any supply pressure of 40 -120 PSIG.

Why Neoperl:

NEOPERL® products are from USA and are listed to ASME A112.18.1M (American Society of Mech Engineers) and CSA B125 (Canadian Standards Association) and are continually audited. They are applicable in a wide range of areas.

Low-flow Water savers

Providing Low-flow water savers for the new plumbing fixtures or retrofitting the existing water fixtures are one-time conservation measures with little or no additional cost over their lifetime. Listed below are some of the options for reducing the commercial building water use:

1. Low-flow control devices for lavatory faucets
2. Low-flow control devices for kitchen sink faucets
3. Low-flow control devices for shower heads
4. Toilet Tank displacement devices / tumblers

The largest water users are the toilets and water closets, accounting for about two-thirds of the water used in an average household or commercial buildings. Toilets use up to half of the water supply. However, with the number of water and energy saving devices we provide, the consumer can drastically reduce their consumption even up to 30% – 45% of the normal usage. We can provide high-performance flow control water savers / restrictors with flow rates of 1.0 to 1.5 gallons per minute for wash basin and kitchen sink faucets, which can save water in the range of 40% – 67% than the conventional faucets. Water saving devices for showerheads and lavatory faucet with flow rates of 1.0 to 1.5 gallons per minute are also available to save water at higher percentages.



P6-73 SAIF Zone, PO BOX 7913 | Sharjah | UAE
Tel: 971 6 5571129 | Fax: 971 6 5571309
mail@environment.ae | www.environment.ae



Advantage: Water savers and low flow controls

- Conserve Water, the natural resource dramatically
- Pressure compensated flow rate with no splash
- Cost effective and offers Short-term payback
- Saves money by reducing water and energy usage
- Simple installation does not call for any skilled engineers
- Low maintenance
- Converts most faucets to meet LEED and ASHRAE standards

Advantage: Laminar low flow controls

- Arrest the kinetic energy and conserve water and energy dramatically
- A transparent, crystal clear, solid stream of water
- Low flow velocity without splash of droplets or noise (< 20 dbA at 50 psig)
- Improved wetting ability
- Excellent water cohesion and softness
- Cost effective and offers Short-term payback
- Simple installation does not call for any skilled engineers
- Self-cleaning and maintenance free
- Converts most faucets to meet LEED and ASHRAE standards

Adherence to international standards

Lavatory faucet 2.2 gpm max @ 60 psi

Sink faucet 2.2 gpm max @ 60 psi

Public lavatory faucet (non-metering)
0.50 gpm @ 60 psi

Metering faucet 0.25 gpc @ 60 psi

Showerhead 2.5 gpm @ 80 psi

Tube filler spout - No restriction