

Low-Flow Tap Fittings

Low-flow tap aerator fittings should be installed on all taps, including ablution and hygiene stations, canteens and kitchens (where applicable). This will greatly reduce water consumption and thus, instantly create more environmentally friendly, water- and electricity saving taps.



(Neoperl, 2018)

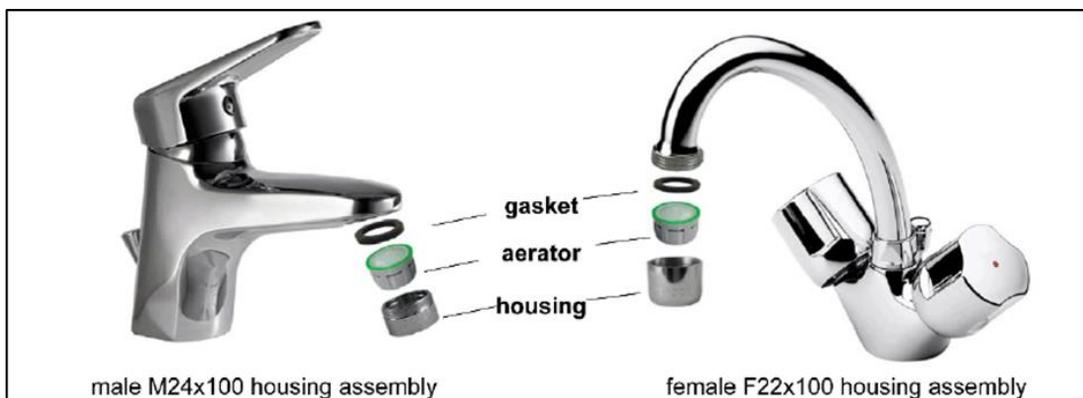
Recommendations

- ❑ Replace conventional taps with low-flow tap aerators.
- ❑ Determine the required flow-rate:
 - 0.5 litres per minute - Public hand-washing only
 - 1.3 litres per minute - Hand-washing / teeth brushing
 - 6.0 litres per minute - Kitchen Sinks
 - 9.0 litres per minute - Heavy use sinks
 - 12.0 litres per minute - External Taps
- ❑ Instant Off-Taps (e.g. sensors or push taps) work well in saving water, only if correctly calibrated
- ❑ Take note of system pressure requirements.
- ❑ Contact [Ecolution](http://www.ecolution.co.za) for more details.

Environmental Improvement	Medium
Awareness Impact	High
Capital	Low
Payback	< 0.3 years

Savings and Benefits

- ❑ Conventional Water Consumption = 8 to 15 litres/min per tap
- ❑ Water Efficient Use = 0,5 to 6 litres/min per tap
- ❑ Water use savings possible = 50-95% per tap
- ❑ Water savings.
- ❑ Electricity savings (if hot water taps are upgraded).



(B. Biggs, 2017)