



WATER



GAS



ENVIRONMENT



PEST CONTROL

## UP TO 90% WATER AND ENERGY SAVINGS WITH ELECTRONIC HANDS FREE BASIN CONTROLS

### • AUTOMATIC CLOSURE AND FLOW RATES RESTRICTED TO 3 LPM.

Compared to classic mixers and taps, our electronic controls optimise water savings in the following ways:

#### 1. Automatic shut-off when hands are removed from the detection zone:

- The flow time is reduced to a minimum i.e. wetting and rinsing.
- Automatic closure removes the risk of waste if the user forgets to turn off the mixer or tap.

#### 2. Constant flow rate set at 3 lpm whatever the water pressure (exclusive to DELABIE), thanks to the new, adjustable flow straightener (DELABIE patented):

- Provides maximum user comfort, while reducing the water bill.
- The flow rate is set at 3 lpm regardless of variations in pressure.

The installer or maintenance staff can adjust the flow rate of the flow straightener simply by using a 2.5mm Allen key: preset at 3 lpm, the range of adjustment is between 2 and 5 lpm.

Tests on competitor's systems found that they do not regulate the flow rate:

- We noted a variation of approx. 70% between 1.5 and 5 bar (i.e. 4 - 7 lpm)
- At pressures over 3 bar (i.e. 90% of commercial applications), a competitor's mixer generated an over-consumption of 15-40%.

The water savings created enable the following:

- **Energy savings:** the amount of water saved does not require heating.
- **Equipment savings:** lower flow rate and consumption mean that lower capacity pipework and water heating systems can be installed.

### • COMPARISON OF WATER CONSUMPTION IN COMMERCIAL APPLICATIONS:

Classic mixers/taps, time flow controls and electronic controls

Conventional mixers/taps: 9.7L (45 sec. at 13 lpm)		
Wetting 10 sec.	Soaping 20 sec.	Rinsing* 15 sec.
DELABIE time flow controls: 1.5L (30 sec. at 3 lpm)		
Wetting 15 sec.	Automatic timed shut-off	Rinsing 15 sec.
DELABIE electronic controls: 0.7L (15 sec. at 3 lpm)		
Wetting 5 sec.	Automatic shut-off when hands are removed	Rinsing 10 sec.

\* Average time, including misuse (e.g. tap left running after use).

