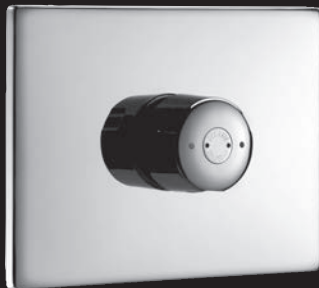
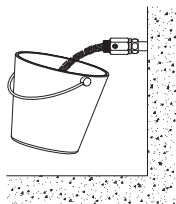
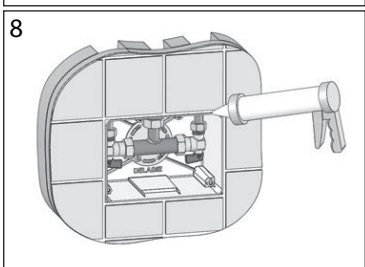
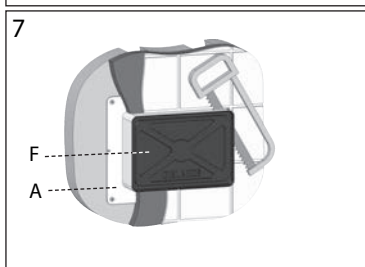
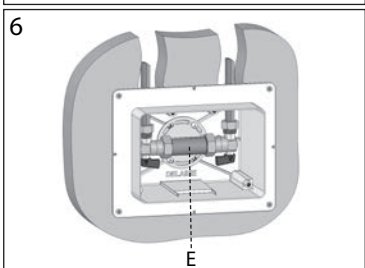
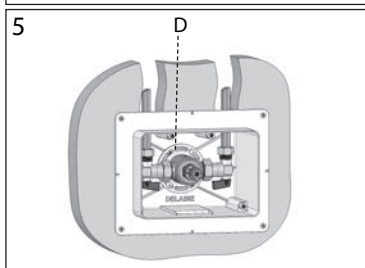
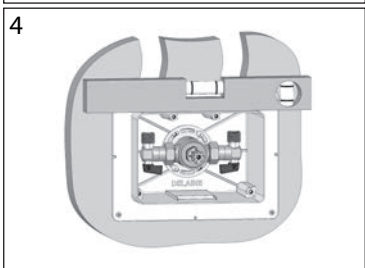
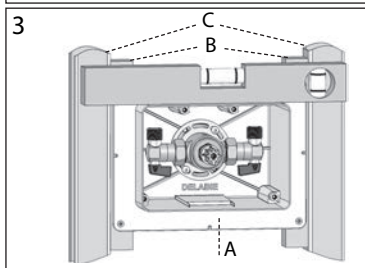
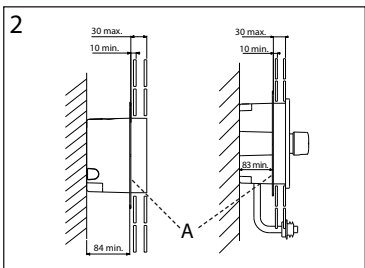
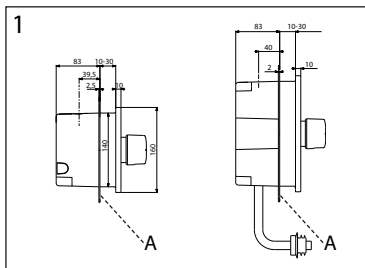


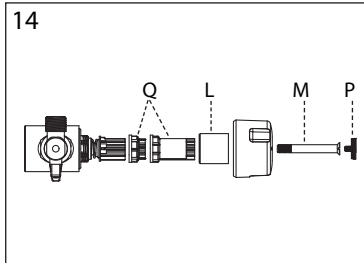
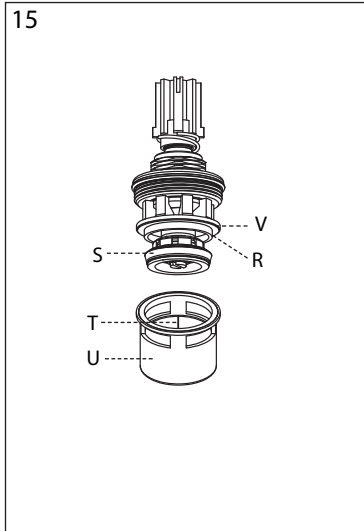
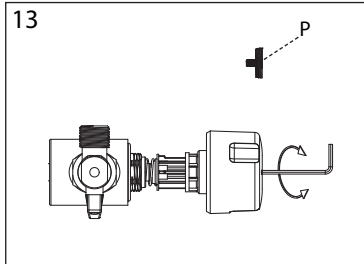
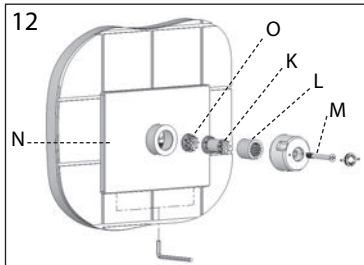
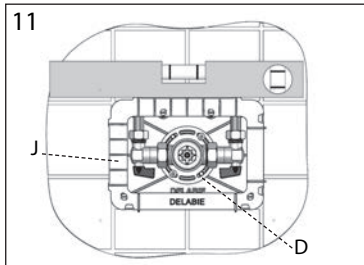
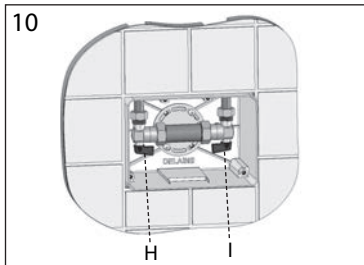
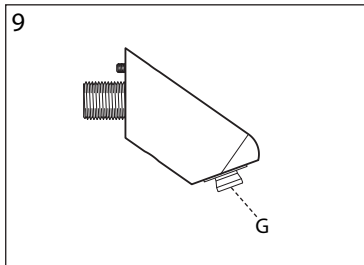
- GB** Waterproof, recessed, time flow water controls for showers or urinals



- GB** Thoroughly flush the pipes to remove any impurities before installing and commissioning the product.







## OPERATION

- Press the push-button control to open the valve.
- Automatic timed shut-off after ~30 seconds for showers and ~7 seconds for urinals (+5/-10 at 3 bar according to the European standard EN-816).

## INSTALLATION

- Supply with cold water (insert the grey markers) or mixed water (insert the red markers).
- The flush tube supplied should be used with urinals without lids.
- For urinals with lids, the flush tube must be modified to ensure that the lid does not interfere with the push-button control.

### PRE-ASSEMBLED KIT

Recessing in a traditional wall (fig. 2)

- Drill a recessing area for the recessing box and for the inlet pipes.
- Allow for the recessing depth (fig. 1) and the finished surface of the wall in respect to the front face A of the recessing box.

Recessing in a plaster board wall (fig. 3)

- Mount the recessing box on the 2 brackets B between the 2 uprights C, 260mm apart for showers or 200mm apart for urinals.
- The front face A of the recessing box should be flush or slightly behind the uprights C.
- Make sure the recessing box is level.
- Allow for the recessing depth (fig. 1) and the finished surface of the wall in respect to the front face A of the recessing box.

Installing the recessing box (fig. 4)

- Place the recessing box in the recessing area.
- Make sure it is level.

Pre-assembly for the pipe work (fig. 5, 6)

- Pre-assemble the supply pipes with the valve D and the connectors.
- Install the pipes then remove the valve D (if the pipes require soldering, make sure that the valve D is removed before soldering).
- Insert the temporary drain fitting E with the connectors (do not install the filter).
- Place the valve D to one side or leave it in its box (not installed).

Finishing the wall surface (fig. 7)

- Put the protective cover F in place and finish the surface of the wall.
- The distance between the finished face of the wall and the front face A of the recessing box should be between 10 and 30mm. Trim the excess from the recessing box.

Waterproofing the recessing box (fig. 8)

- Seal around the recessing box with a waterproof sealant.
- Replace the protective cover F (fig. 7) on the recessing box.

### CONTROL KIT

Models with shower heads (fig. 9)

- Mount the shower head so that the nozzle G is 2.10m from the floor.

Install the valve and the wall plate support (fig. 10, 11)

- Remove the protective cover F (fig. 7).
- Flush the pipe work using the valve H.
- Install the valve D with the filter (at the water inlet) and the connector (at the water outlet).
- Mount the wall plate support J carefully tighten in place and make sure it is level.

Extensions (fig. 12)

- Install the cover plate N using a 2mm Allen key.
- Select the appropriate extension(s):
  - K : for finishes from 10 - 20mm deep.
  - K + O : for finishes from 20 - 30mm deep.
- Select the screw M :
  - 52 mm : for finishes 10 - 20mm deep.
  - 62 mm : for finishes 20 - 30mm deep.
- Insert the selected extension(s), the guiding ring L, the control knob and the selected holding screw M.
- Activate the valve several times to stabilise the timing.

### THE INSTALLER MUST ENSURE:

- THE SEAL AROUND THE RECESSING BOX IS WATERPROOF TO PREVENT ANY INGRESS OF WATER;
- ANY WATER ACCIDENTALLY ENTERING THE RECESSING BOX (E.G. CONDENSATION, RUN OFF, LEAKS, ETC.) HAS A DRAINAGE POINT;
- THE INTEGRITY OF THE SEALS BETWEEN THE WALL PLATE SUPPORT J (FIG. 11) AND THE WALL AT LEAST ONCE A YEAR, AND MAKE GOOD IF NECESSARY.

If this advice is not followed, water may leak into the wall. DELABIE cannot be held responsible for any ingress.

FOR FURTHER INFORMATION PLEASE CALL TECHNICAL SUPPORT (SEE BELOW FOR CONTACT DETAILS).

#### ADJUSTING THE FLOW RATE (fig. 13)

- The flow rate is pre-set at the factory at 12 lpm for showers (Ref.s fitted with ROUND or TONIC JET shower heads are set at 6 lpm) and 0.15 lps for urinals.  
The flow rate can be adjusted without shutting off the water or removing the mechanism.
- Remove the marker P using circlip pliers.
- Adjust the flow rate on the push-button using a 3mm Allen key.
- Once the desired flow rate is achieved, replace the marker P.

#### REMEMBER

- Our mixers/taps and valves must be installed by professional installers in accordance with current regulations and recommendations in your country, and the recommendations of the specifier.
- Sizing the pipes correctly will avoid problems of water hammer and loss of pressure/flow rate. (See the calculation table in the brochure or on line at [www.delabie.com](http://www.delabie.com)).
- Protect the installation with filters, water-hammer absorbers or pressure reducers to reduce the frequency of maintenance. (Recommended dynamic pressure: 1-5 bar, 2 bar for siphon-action urinals) to facilitate maintenance.
- Install stopcocks close to the mixer to facilitate maintenance.
- The pipe work, stopcocks, valves and all sanitary ware must be checked regularly.

#### SERVICING & CLEANING

GB

- **Cleaning Chrome:**  
Do not use abrasive, chlorine or any other acid-based cleaning products. Clean with hot, soapy water and a clean cloth or sponge. Dry using a clean, dry cloth.
- **Frost Protection:**  
Drain the pipes and operate the valve several times to drain any remaining water.

#### MAINTENANCE

Foreign bodies in the pipe work can cause the mechanism to malfunction.

To remove the mechanism (fig. 14)

- Remove the marker P using circlip pliers.
- Unscrew the holding screw M and remove the control knob, the guiding ring L and the extension Q gently pulling by hand.
- Shut-off the water inlets at the stopcocks.
- Close the isolating valve I (fig. 10) to prevent the water evacuating from the pipe into the recessing box.
- Remove the mechanism using a 24mm spanner.

Automatic shut-off takes too long or there is continuous flow (fig. 15)

- Clean the inside of the delay case U using a clean, dry cloth and clean the calibrated groove T with a non-metallic, sharp point.
- Check that the lip seal S and the seat V are in good condition.

Dripping or a constant trickle (fig. 15)

- Clean the seat V or replace if damaged.

**Beware :** do not grease the inside of the mechanism.

#### After Sales Care and Technical Support:

Auckland: 09 624 1115 Wellington: 04 569 8033 Christchurch: 03 348 2356  
email: [tech@macdonaldindustries.co.nz](mailto:tech@macdonaldindustries.co.nz) web: [www.macdonaldindustries.co.nz](http://www.macdonaldindustries.co.nz)