

## Installation Instructions

**IMPORTANT:** Read all instructions before commencing installation.

The Commercial Edge Water Energiser is designed to be installed to a pressurised water supply system. It is an in-line device intended for ambient temperature water only. Do not use this device in hot water applications.

The device is designed for installation above or below ground, away from constant, direct sunlight.

The device can be installed in either a vertical or horizontal orientation.

**It is recommended that this device be installed by a licensed plumber, according to local plumbing codes. In installations where the maximum supply pressure exceeds 750kPa, a pressure reducing device MUST be installed at the inlet side of the device.**

### Step 1.

The Commercial Edge is designed to be installed to a new or existing pressurised system. Ensure that the system facilitates a connection to the device, comprising of a 50mm (nom) UPVC Pressure Pipe at both the inlet and outlet. Nominal pipe pressure rating should be appropriate for the system pressure. If system pressure exceeds 750kPa, install a suitable pressure reducing device on the inlet side of the Commercial Edge.

### Step 2.

Ensure the system is turned off and drained of water. Make a clear area of at least 55mm around the circumference of the pipe section where the device is to be installed. Ensure you have at least 700mm of straight length in which to install the device and that the inlet and outlet pipes allow at least 15mm of flex/movement along the axis of installation.

### Step 3.

Carefully cut and remove a section of the pipe of no less than 390mm to allow installation of the Commercial Edge in-line (if installing to an existing system). Install the supplied Pipe Adapter fittings using a 'Type P' PVC Pipe Cement that conforms to AS/NZS3879. Ensure the method of jointing is carried out as per the cement instructions. Remember to install the supplied union collars onto the inlet and outlet pipe sections before cementing the Pipe Adapters in place (See Figure 1).

**NOTE: Measure the section to be cut away carefully, taking into account the size of the Pipe Adapter fittings supplied.**

### Step 4.

Install the device, ensuring the 'direction of flow' marker on the Commercial Edge is aligned correctly (see Figure 1). Ensure the O-rings are seated correctly and be sure not to over-tighten the Union Collar screw connections. It should not be necessary to use a tool to tighten the Union Collars.

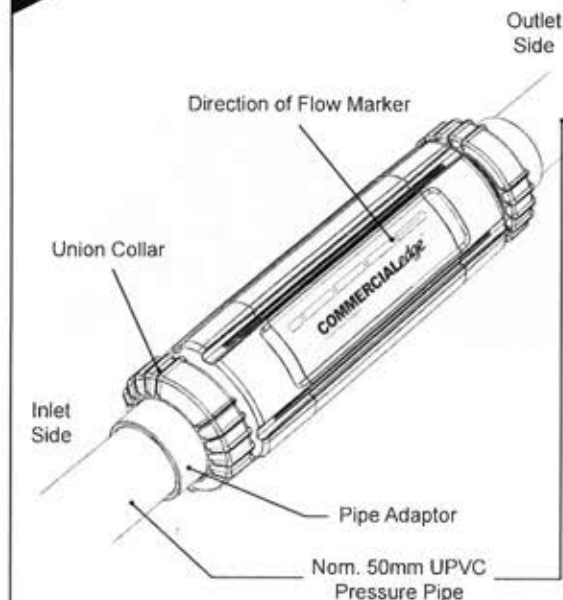
### Step 5.

Turn on the system and slowly increase the pressure to normal operating pressure, whilst observing for leaks. If leaks are apparent from fittings, turn off water supply and rectify, ensuring maximum pressure ratings are observed. If leaks cannot be stopped and device appears faulty, return to place of purchase for exchange immediately.

### Step 6.

After the device is installed and connections are observed to be sound, the system may be run as normal. Healthy Water Technology Australia recommends that regular checks are made at connection points to ensure the system continues to function effectively.

Figure 1.



## Use Guidelines

- Maximum operating pressure: 750 kPa
- Minimum operating temperature: 5°C
- Maximum operating temperature: 35°C