

**Issue 22** The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work

### Tips for Installers who are new to Cosmetal Ice Bank Coolers

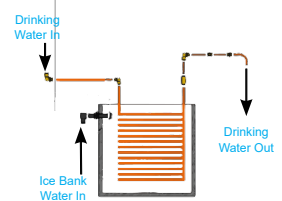
Ice Bank Coolers are built around a Water Bath which is chilled to near freezing. This is called an Ice Bank (see Schematic Drawing) It is very important that the Ice Bank is filled with water before any operation of the Cooler. **FAILURE TO DO THIS CAN CAUSE DAMAGE TO THE EQUIPMENT.**

The Ice Bank Water is not for drinking. The Drinking Water is carried by a separate coiled metal pipe which runs through the Ice Bank. As it passes through the near freezing Ice Bank, the Drinking Water is chilled down to a constant temperature.

As a safety mechanism, Ice Bank Coolers are generally supplied with the chilling unit switched OFF. After the Ice Bank has been filled with water, **THE INSTALLER HAS TO TURN THE WATER COOLER CHILLING ON.** Cosmetal Ice Bank Coolers should be set at around 5 for the summer setting and for the winter setting (the Cosmetal instructions show a setting range from 0 to 7. Zero equals no chilling, 7 represents maximum chilling).

If the Ice Bank temperature is too low, it risks freezing and damaging the Equipment. Inside the Ice Bank bath is an agitator paddle which moves the water around to stop it from freezing.

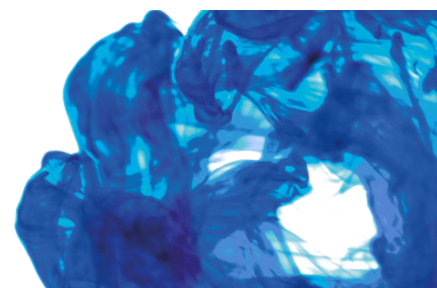
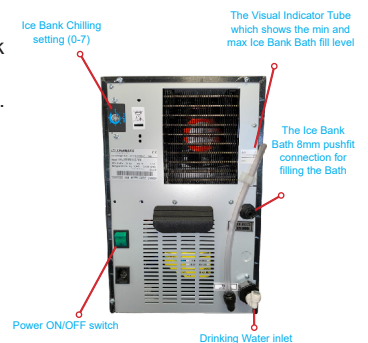
Setting the thermostat on the Electronic Control versions. Thermostat settings need to be adjusted through the control panel. The default settings are +2C for the summer months and +2C for the winter months. Please see the Cosmetal instruction manual for programming instructions. Failure to set the thermostat correctly could lead to a frozen Ice Bank.

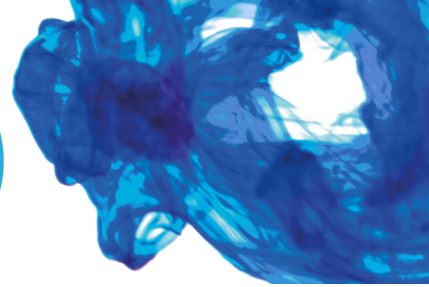


### Further tips for the Installer

#### Installing a H2OMY Ice Bank Chiller

1. The image shows the back of a typical H2OMY Ice Bank Chiller.
2. On the rear of the Equipment, you will see a tube (Visual Indicator Tube). This indicates when the Ice Bank is filled to the correct level (Images 2)
3. Once the Ice Bank has been filled the water fed pipe can now be connected to the drinking water inlet port. Please make sure that the Ice Bank inlet is plugged (Image 3)
4. On completion of priming the unit (filling the Ice Bank) the control box can now be connected to the Chiller. The incoming water supply is split to provide an ambient water supply to the control box (Images 4 and 5)
5. The cold and sparkling feeds can also be connected to the control box (Image 6)
6. The Out Water Port can now be connected to the Dispensing Tap (Image 7). If this is a Cooler with CO2
7. Connect the CO2 feed into the In CO2 port (Image 8)
8. Make sure that the CO2 is set at 4 Bar (It needs to be above the mains water pressure) (Image 9) The Unit can now be powered up. Make sure that the temperature is set to 5 to allow the compressor to power up and chill the water. Wait at least 20 mins for the H2OMY to get to temperature before operating the sparkling water. Once temperature has been reached, draw off a few litres of sparkling water. The H2OMY is now ready for operation



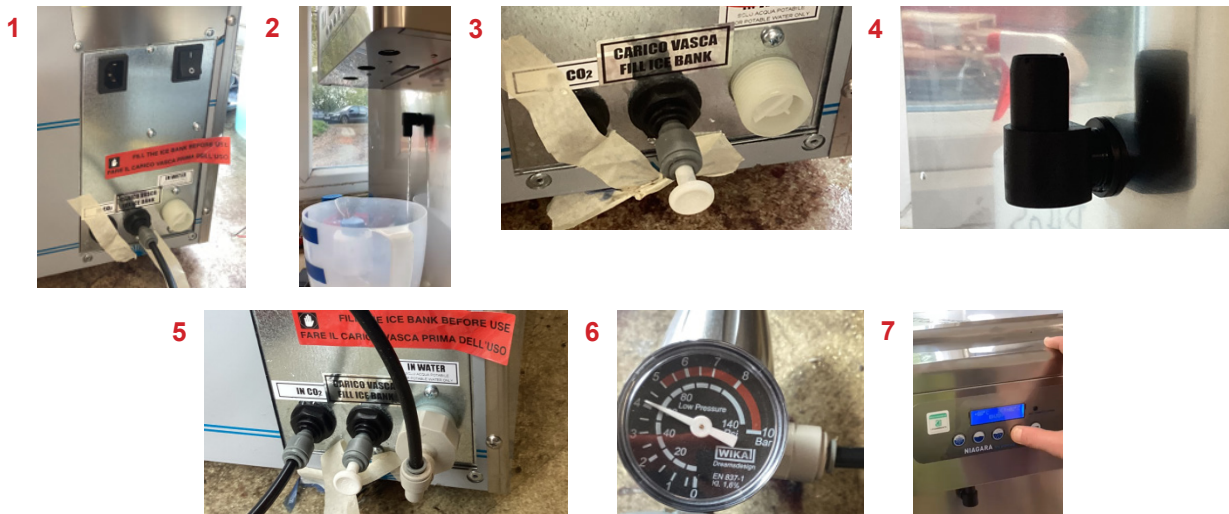


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### Installing a floor standing NIAGARA Ice Bank Chiller

1. Connect the water feed to the Ice Bank Inlet Port (Image 1)
2. The Ice Bank is full when water flows from the overflow at the front of the Equipment (Image 2). The water feed pipe can be removed, and the Inlet Port can be plugged (Image 3). The overflow on the front of the Equipment can now be turned upwards to prevent Ice Bank water loss (Image 4)
3. The Drinking Water feed and the CO2 feed can now be connected, and the NIAGARA can be powered up (Image 5) Make sure that the CO2 is set at 4 Bar (Image 6). Wait at least 20 mins for the NIAGARA to get to temperature before operating the sparkling water
4. Setting the thermostat on the Electronic Control versions. Thermostat settings need to be adjusted through the control panel. The default settings are +2C for the summer months and +2C for the winter months. Please see the Cosmetal instruction manual for programming instructions. Failure to set the thermostat correctly could lead to a frozen Ice Bank. (Image 7)

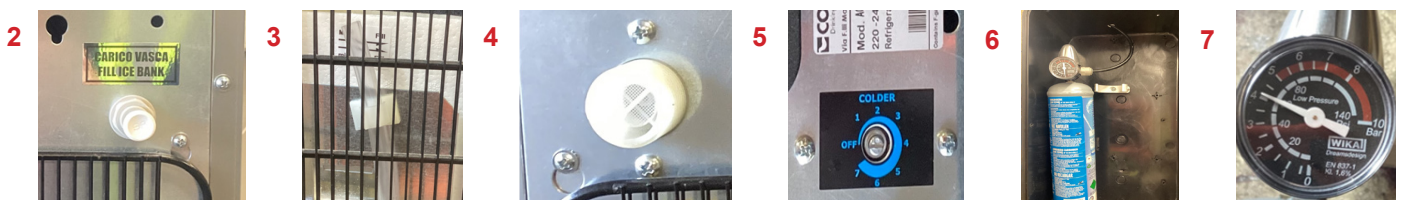


### Installing an AQUALITY Ice Bank Cooler

1. It is very important that the ice bank is filled before any operation of the equipment. Failure to do so can cause damage to the cooling system.
2. Connect water feed to ice bank Inlet port (Image 2)
3. On the rear of the machine, you will see a tube. This indicates when the Ice-Bank is at the correct level (Image 3)
4. Once the Ice Bank has been filled, connect the water feed to the water inlet port (Image 4)
5. Set the thermostat on the rear of the equipment to 5 to activate the compressor (Image 5)

### For AQUALITY with gas for sparkling water

6. The CO2 bottle can be located inside the body of the cooler (Image 6)
7. Set the gas pressure to 4 bar (Image 7)
8. The unit can now be powered up. Wait at least 20 minutes for the AQUALITY to get to temperature before operating the sparkling water. Once temperature has been reached, draw off a few litres of sparkling water. The AQUALITY is now ready for use.



**There may be minor variations of some Cosmetal Ice Bank Chillers.**

**Please read the Cosmetal Installation Instructions which are provided with every Cosmetal Chiller**

