



**Provides continuous fresh water all winter and summer. Designed especially for below freezing conditions.**

The Aqua Bowl is a rugged, reliable waterer designed to keep your cows hydrated in harsh conditions, including below freezing temperatures. It keeps water circulating to prevent it from freezing while saving energy.

## FEATURES

- Fully equipped with a heater, thermostat, infeed line heating wire and reliable float valve.
- It is sized to adequately water cows in groups in the field or individually in stalls.
- The font replenishes quickly, thus eliminating icing.
- Constructed of heavy duty, double walled poly, this bowl is rugged and able to withstand the elements for years of trouble-free performance.
- The inside is very easy to clean with an efficient drain.
- Thermal switch turns heater on at 5°C and off at 15°C to keep drinking water from freezing, yet not overheating, which saves on electricity and energy costs.
- All electrical components are sealed in epoxy to prevent shocks.

## APPLICATIONS

The versatile shape of the unit allows it to be easily mounted both indoors and out. It is designed to fit snugly into an upended culvert for outdoor use, or it can be mounted with a wall bracket for use in stalls, building sides or posts. See installation details below.

## HOW IT WORKS

### Convection Circulation

The heating element creates a convection current in the water, which allows warm water to replace cold water on the exposed surface. As the cold water is displaced from the top, it sinks down and around to be continuously rewarmed. **Freezing of the exposed surface water is eliminated to at least -40°C.**

## EASY MAINTENANCE

To service, simply turn off the water and electric connections at source and remove four screws to remove the side access plate. The electric, water joints and the electric and water components are then easily accessible.

## SIMPLE INSTALLATION

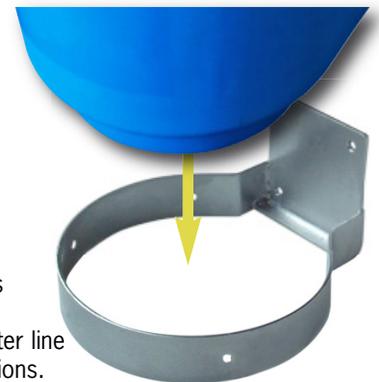
### In the field/outdoors

The Aqua Bowl is designed to fit securely into the end of a standard 10" galvanized culvert. After digging a trench to below the frost line (approx 1.25 metres or 4' depth), lay a half inch PVC water line and underground grade electric line through a four inch 'Big O' tubing, from source to font position. Install a standard 10" diameter, 7' length of galvanized culvert on its end with 4' below grade and 3' above.



### In the stall

The Aqua Bowl is designed to fit snugly into an optional bracket available from your dealer. Just mount the bracket within a stall, or between two stalls, at an appropriate height. Seat the font into the bracket and secure it with four screws provided. Then connect an electric line, and a heated water line for easy hook-up, per instructions.



## COMPONENTS



### BOWL

Made of double walled, heavy gauge, non-toxic poly. Won't crack in freezing conditions. No sharp edges. It replenishes often to keep the water fresh.

### PROTECTOR PLATE

Secure enough that cows can't budge it, but easily slides out by hand for bowl cleaning and inspection.

### SIDE ACCESS PLATE

Unscrews for ease of servicing.



### POSITIVE ACTION FLOAT VALVE ASSEMBLY

Firmly attaches water line to float valve. Valve is adjustable.

It is easy to access and is made of durable plastic with positive stop valve.



### THERMOSTAT

Immersed in water to maintain water temperature between 3°C and 15°C in freezing conditions.

### HEATING ELEMENT

Rated at 70 watts, the heating element keeps water circulating for even temperature control. Good to, at least -50°C.

### ELECTRICAL COMPONENTS THERMOSTAT, HEATING ELEMENT, WIRES

All electrical components are sealed in epoxy to prevent shocks. Replaced only as an all-inclusive unit.

- .92 AMPS

### WIRES

A 4 foot, 3 prong, power cord and a 6' 4" water line heating wire are provided for installation. Rated at 40 watts, the cable is taped to the water line in the watering bowl, and then inserted in a foam sleeve over the water line to a depth of 4.5' below grade.



## WARRANTY

**CANARM Ltd.** warrants every new **AQUA BOWL** to be free of defects in material and workmanship, to the extent that, within a period of one year from the date of purchase CANARM Ltd. shall either repair or replace at CANARM's option, any unit or part thereof, returned freight prepaid, and found to be defective.

This warranty does not include any labour or transportation costs incidental to the removal and reinstallation of the unit at the user's premises.

Components repaired or replaced are warranted through the remainder of the original warranty period only.

This warranty applies to the original purchaser-user only; it is null and void in case of alteration, accident, abuse, neglect, and operation not in accordance with instructions.

**NOTICE:** No warranty claims will be honored by **CANARM Ltd.** unless prior authorization is obtained.