



# BIGSpring



MODEL 6200, 6300, 6400

Heater Options

Part 162 - USA Heater Kit, 110 Volt - 500 Watt

Part 163 - EURO Heater Kit, 220 Volt - 500 Watt

INSTALLATIONS AND SPECIFICATIONS

**READ CAREFULLY**



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## Part I General

### A. Description #6200

- 7' ~~CEH~~ D long livestock waterer with automatic ref~~l~~ and optional heat or constant fl~~l~~ w features.

Model	Capacity	Gallons / L	Description	Dimensions	Wt.
6200	150 hd beef 75 hd dairy	60Gal 227.12L	Constant Flow or Optional Heater	84" x 22" x 22" (213.36cm x 55.88cm x 55.88cm)	170lbs 77.11Kg

## Part I General

### A. Description #6300

- 12' ~~CEI~~ D long livestock waterer with automatic ref~~l~~ and optional heat or constant fl~~l~~ w features.

Model	Capacity	Gallons / L	Description	Dimensions	Wt.
6300	250-300 hd beef 125 dairy	110Gal 416.40L	Constant Flow or Optional Heater 500W	142" X 22" X 22" (360.68cm x 55.88cm x 55.88cm)	275lb 124.74kg

## Part I General

### A. Description #6400

- 10' ~~CEI~~ D long livestock waterer with automatic ref~~l~~ and optional heat or constant fl~~l~~ w features.

Model	Capacity	Gallons / L	Description	Dimensions	Wt.
6400	200 hd beef 75 hd dairy	80Gal 302.83L	Constant Flow or Optional Heater	120" x 22" x 22" (304.80cm x 55.88cm x 55.88cm)	212lb 96.16kg

### B. Material necessary for installation

- concrete for the base
- tefl~~l~~ n tape thread sealer
- 3/8" ~~CEI~~ & D concrete hammer drill
- #158 Miraco hose w/shutoff hookup kit (provided)

## Part II Materials, Products

### A. Materials

- High impact rockite, Polyethylene
- Polyurethane insulation 2" to 5" ~~CEI~~ & ~~CEI~~ & D

### B. Valve

- Miraco Valve (standard)

### C. Hookup assembly

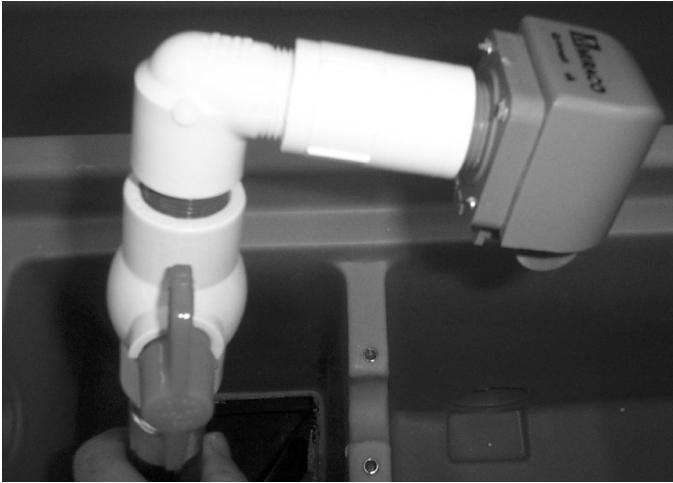
- 3/4" x 24" ~~CEI~~ & ~~CEI~~ & D 200 psi ~~CEI~~ Jaa Drubber hose
- 3/4" ~~CEI~~ & D plastic ball shutoff valve
- Stainless Steel arm and thumb screw w/polyethylene 5" x 5" ~~CEI~~ & ~~CEI~~ & D ball

### D. Heat

- Optional 500 watt submersible heater

### E. Anchor bolts

- (6) 3/8" x 4" ~~CEI~~ & ~~CEI~~ & D stainless steel concrete anchors  
(provided in parts bag)



**Step 1**

Attach the 200 psi  $\frac{1}{2}$ " J&D hose with shutoff valve to the PVC elbow, use teflon tape on all threaded  $\frac{1}{2}$ ".



**Step 2**

Set the entire assembly into the valve cradle.



**Step 3**

Place the stainless steel bracket over the PVC  $\frac{1}{2}$ " and attach with  $\frac{1}{4}$ "  $\frac{1}{4}$ " stainless steel screws provided.



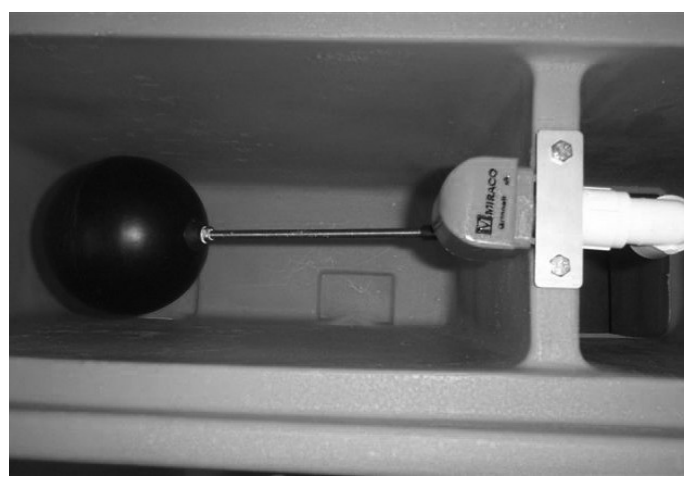
**Step 4**

Mark and drill (6)  $\frac{3}{8}$ "  $\frac{1}{4}$ " Holes in concrete pad. Holes can be drilled directly thru the tank holes at an angle and then anchors can be driven into place also.



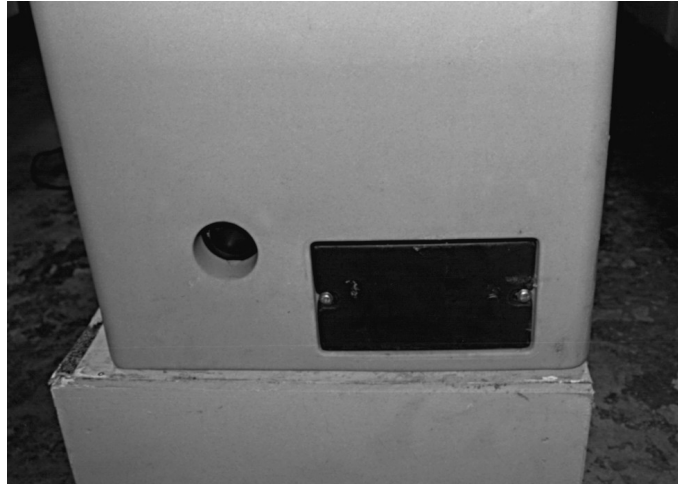
**Step 5**

After inserting  $\frac{3}{8}$ " x 4"  $\frac{1}{4}$ "  $\frac{1}{4}$ "  $\frac{1}{4}$ " (provided), set tank over the bolts and install nuts and tighten.



**Step 6**

Attach float assembly and adjust water level to desired height.



Access doors on each end for access to constant flow fitting on the bottom side of the tank. Constant flow drain pipes can be plumbed to drain on the ends or in the center. Center access door should be used for access to an approved electrical outlet for optional heaters.

## **Miraco Livestock waterers Express warranty and Waiver of implied warranties and consequential damages**

### **Express Warranty**

Ahrens Agricultural Industries Co. , dba Miraco, expressly warrants that the Miraco waterers (excluding valve and valve parts) will be free of defects in materials and workmanship for a period of five (5) years from delivery. The Miraco valve and valve parts are warranted to be free of defects in materials and workmanship for a period of one (1) year from delivery. Such warranty does not apply to any Miraco unit that has been subjected to misuse, or material failure to install, operate or maintain in accordance with Miraco's written instructions, or other events acts or omission, including but not limited to acts of nature, which affect the Miraco unit materially and adversely and are not attributable to Miraco.

This warranty is limited to the repair or replacement of the defective part, at the option of Miraco. Such repair or replacement part is warranted only for the unexpired portion of the original warranty period. Buyers with warranty claims should contact their local dealer immediately.

Heaters in all electrically heated units are warranted for a period of one (1) year.

### **Waiver of implied warranties and Consequential damages**

Except for the above express warranty, this product is sold as is. Implied warranties of merchantability and fitness for a particular purpose, as well as special, indirect or consequential damages, are all waived by the buyer.