



BY MIRACO



**INSTALLATION INSTRUCTIONS AND
SPECIFICATIONS FOR MODEL 6200-6300-6400**

READ CAREFULLY

MIRACO

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specifications

Part I General

A. Description #6200

1. 7' long livestock waterer with automatic refill and optional heat or constant flow features.

Model #	Capacity	Gallons	Description	Dimensions	Wt.
6200	150 hd beef	60	constant flow (or)	84" x 22" x 22"	170
6201 (w/ heat)	75 hd dairy		optional heater		

Part I General

A. Description #6300

1. 12' long livestock waterer with automatic refill and optional heat or constant flow features.

Model #	Capacity	Gallons	Description	Dimensions	Wt.
6300 (w/o heat)	250-300 hd beef	110		142" x 22" x 22"	275
6301 (w/ heat)	125 hd dairy		optional heater 500 watts		

Part I General

A. Description #6400

1. 10' long livestock waterer with automatic refill and optional heat or constant flow features.

Model #	Capacity	Gallons	Description	Dimensions	Wt.
6400	200 hd beef	80	constant flow (or)	120" x 22" x 22"	212
6401 (w/ heat)	100 hd dairy		optional heater		

B. Material necessary for installation

1. concrete for the base
2. teflon tape thread sealer

Part II Materials, Products

A. Materials

1. High impact rockite, Polyethylene
2. Polyurethane insulation 2" to 5"

B. Valve

1. Miraco Valve (standard)

C. Hookup assembly

1. 3/4" x 24" 150 psi rubber hose
2. 3/4" plastic ball shutoff valve
3. Stainless Steel arm and thumb screw w/polyethylene 5" x 5" ball

D. Heat

1. Optional 500 watt heater kit

E. Anchor bolts

1. (6) 3/8" x 4" stainless steel concrete anchors
(provided in parts bag)



Step 1

Attach the 200 psi hose with shutoff valve (provided) to the PVC elbow, use teflon tape on all threaded fittings.



Step 2

Set the entire assembly into the valve cradle.



Step 3

Place the stainless steel bracket over the PVC fitting and attach with 1/4" stainless steel screws provided.



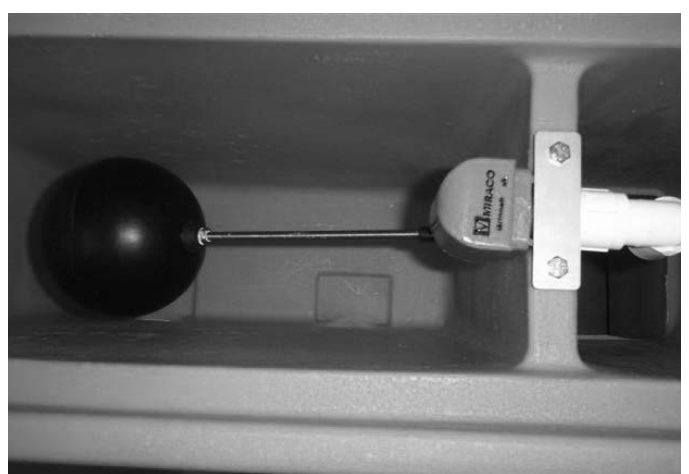
Step 4

Mark and drill (6) 3/8" 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 3/8" x 4" anchor bolts (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**

Note: All Miraco Big Springs require a neck rail to prevent cattle from standing in the reservoir. Failure to do so can void your warranty.

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 three (3) years.

**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.