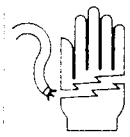
INSTRUCTIONS
REPAIR PARTS LIST AND WARRANTY INFORMATION

WPO6E, WPO6N
MPO6E, MPO6N
POLY, ELECTRIC DRINKERS

READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING INSTALLATION

⚠ WARNING ⚠



1. INSTALLATION MUST BE MADE AND MAINTAINED IN STRICT ACCORDANCE WITH NATIONAL/LOCAL PLUMBING AND NATIONAL/LOCAL ELECTRICAL CODES (CSA IN CANADA). INSTALLATION MUST BE MADE BY A QUALIFIED ELECTRICIAN. THE APPLICABLE PROVISIONS OF THE ABOVE MENTIONED CODES TAKE PRECEDENT. IMPROPER ELECTRICAL INSTALLATION AND MAINTENANCE MAY RESULT IN SERIOUS INJURY OR DEATH FOR PERSONNEL OR LIVESTOCK.
2. EACH ELECTRICAL UNIT MUST BE WIRED THROUGH A FUSED SWITCH BOX AND FUSED ACCORDING TO AMPS REQUIRED FOR EACH SPECIFIED ELECTRICAL UNIT. SEE EXHIBIT A. CANADIAN ELECTRICAL CODE--PART 1 REQUIRES LIVESTOCK WATERERS INSTALLED IN FEEDLOTS IN OPEN FEEDING AREAS TO BE GROUNDED BY A SEPARATE STRANDED COPPER GROUNDING CONDUCTOR OF AT LEAST NO. 6 AWG TERMINATING AT A POINT WHERE THE BRANCH CIRCUIT RECEIVES ITS SUPPLY.
3. THIS UNIT MUST BE GROUNDED TO A COPPER GROUND ROD 5/8" (1.6CM) DIAMETER BURIED AT LEAST 10 FEET (3.1 METERS) IN UNDISTURBED SOIL. SEE EXHIBIT A.

REPAIR PARTS LIST - See Exhibits E & F on PAGES 3 & 6 and Exhibit G on the goldenrod sheet for location of parts

Ref. No.	Part No.	Description	Qty
1	WPO610	Utility Drinker Base, Blue	1
1	MPO610	Utility Drinker Base, Red	1
2	WPO611	Top Cover, Stainless Steel	1
3	OF514	1/4-20 x 1/2 Slotted Indented wAsher Head Machine Screw	1
	WPO612	Hardware Bag Assembly (Includes REf. Nos. 4 thru 25)	
4	OP210	1-1/2" NPT Plug, Plastic	1
5	WPO613	Base Seal, 56"	1
6	OP120	#11 Rubber Stopper	1
7	OP310	2" Expandable Rubber Stopper	1
	WPO614	Valve/Supply Line Assembly includes Ref. Nos. 8 thru 16 and 26 & 27	
8	VR250	Submersible Fill Valve	1
9	WPO615	1-1/2" PVC Threaded Cap, Drilled	1
10	OP307	3/4 Barb x 3/4 Barb Coupling	1
11	OP308	1-1/2" Close Nipple Thread x Thread	1
12	OP281	1-1/2" x 1-1/2" Female Adapter Thread x Slip	1
13	WPO616	1-1/2" x 2 Schedule 40 PVC	1
14	OP118	1-1/2" MIP Adapter	1
15	OP119	O-Ring, 1-3/4 ID x 2-1/8 OD x 3/16	1

Ref. No.	Part No.	Description	Qty
16	OP125	Clamp, 1/4-5/8, SS	1
17	WPO617	Water Supply Line, 3/8" x 6"	1
26	OP318	1/2 MIP x 3/8 OD Nylon Insert Adapter	1
27	OP317	3/4 PVC-40 x 1/2 F.I.P. Adapter	
	WPO618	Heater Assembly includes Ref. Nos. 14 & 15 and Ref. Nos. 18 thru 24	
18	OP279	Connector, 1/2 .375-.5	1
19	OP280	1-1/2 x 1/2 Bushing	1
20	OP281	1-1/2 x 1-1/2 Female Adapter	1
21	WPO619	1-1/2 x 10 1/2" Schedule 40 PVC	1
22	OP291	1-1/2 x 1-1/2 x 1Slip Tee, Split	1
14	OP118	1-1/2" MIP Adapter	1
23	OP93	11" Tywrap	1
24	OP284	C250 Utility De-Icer	1
15	OP119	O-Ring, 1-3/4 ID x 2-1/8 OD x 3/16	1
25	WT208	Foam Pipe Insulation, 36"	1
23	OP93	11" Tywrap (to fasten foam pipe insulation)	1
	ISHWPO6	Instruction Sheet	1

MODEL NUMBER

The MODEL NUMBERS are: WPO6E, WPO6N, MPO6E, MPO6N Drinkers

WHEN ORDERING PARTS

(1) Show MODEL NUMBER and NAME: Example - WPO6E Poly Drinker
(2) Show PART NUMBER and FULL DESCRIPTION of part: Example - OP210 1 1/2" NPT Plug, Plastic

HOW TO ORDER PARTS

Repair parts may be ordered from your dealer.

HAWKEYE STEEL PRODUCTS INC

PO BOX 2000 • HOUGHTON, IOWA 52631 • USA
PHONE 319-469-4141 FAX 319-469-4402
www.hawkeyesteel.com E-mail: prideiowa@aol.com

ISHWPO6
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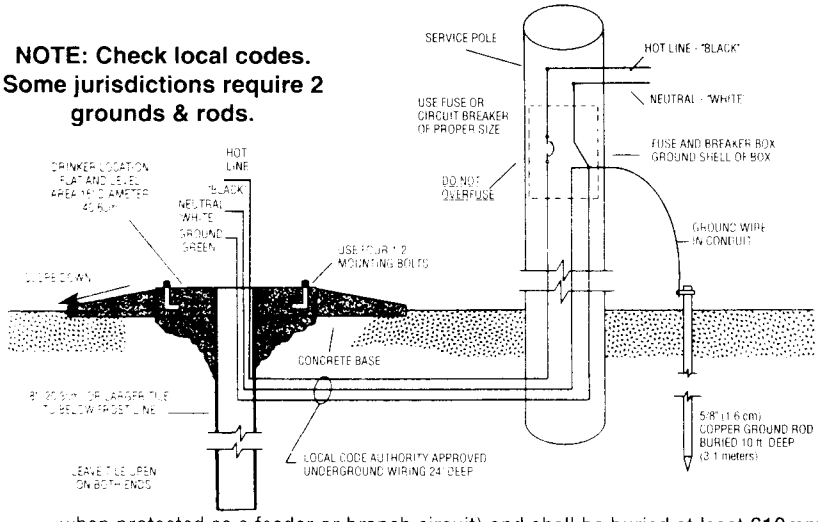
NOTE: Check local codes. Some jurisdictions require 2 grounds & rods.



The following is intended to be used as a general guide for wiring electricity heated drinkers.

Paragraph 5, 6, and 7 are taken from ASAE Engineering Practice: ASAE EP 342. Safety for Electrically Heated Livestock Waterers, March 1995. Installation can only be completed by a qualified electrician.

5. *Electrical Service*

5.1 Service conductors should conform to the following:

5.1.1 Conductors shall have sufficient ampacity for the load to be served.

5.1.2 Overhead conductors shall have mechanical strength for the distance spanned. The conductors shall not be smaller than NO. 8 American wire gage, AWG, copper or NO. 6 AWG aluminum or copper clad aluminum.

5.1.3 Buried connectors shall be of type USE (or UF when protected as a feeder or branch circuit) and shall be buried at least 610mm (24 in.) below the ground surface. Wet rated conductors in non-metallic conduit are also acceptable for providing service.

5.2 Waterer installed near or in a building may be served by a branch circuit from the service equipment of the building.

6. *Supply Circuits*

6.1 Waterers installed within or near a building and served by a branch circuit from the service equipment of the building shall be connected as in Exhibit B.

6.1.1 The equipment grounding conductor shall originate at the service equipment of the building.

6.1.2 The equipment grounding conductor shall be connected to the equipment grounding terminal of the waterer and bonded to any intermediate enclosure or device that requires grounding. The equipment grounding conductor shall be isolated from the grounded (neutral) conductor at every point beyond service equipment.

6.1.3 The entire electrical supply service to the waterer shall be protected by means of a ground fault inductance circuit. This can be accomplished through a ground fault inductance (GFI) outlet, or a ground fault inductance (GFI) circuit breaker.

6.2 An individual waterer installed in a lot and served by separate service equipment shall conform to the following: (see Exhibit C)

6.2.1 Overhead conductors shall be firmly attached to support points and conform to 5.1.1 and 5.1.2. Buried conductors shall conform to 5.1.3.

6.2.2 The incoming grounded conductor shall be bonded to the service equipment enclosure and to a grounding electrode conductor at the grounding bar in the service equipment. The grounding electrode conductor shall extend to a grounding electrode (a ground rod or other effective electrode).

6.2.3 An equipment grounding conductor shall originate at this service equipment and shall be installed with the circuit conductors to the waterer.

6.2.4 The equipment grounding conductor shall be installed as described in 6.1.2.

6.2.5 The ground fault inductance protection shall be installed as explained in 6.1.3.

7. *Multiple Installations*

7.1 When more than one waterer is to be served from a central service, the service equipment should be located near the load center.

7.2 Each waterer shall be connected as specified in 6.2.

NOTE: THE USE OF THE RISER PIPE AS A GROUNDING MEANS IS NOT RECOMMENDED

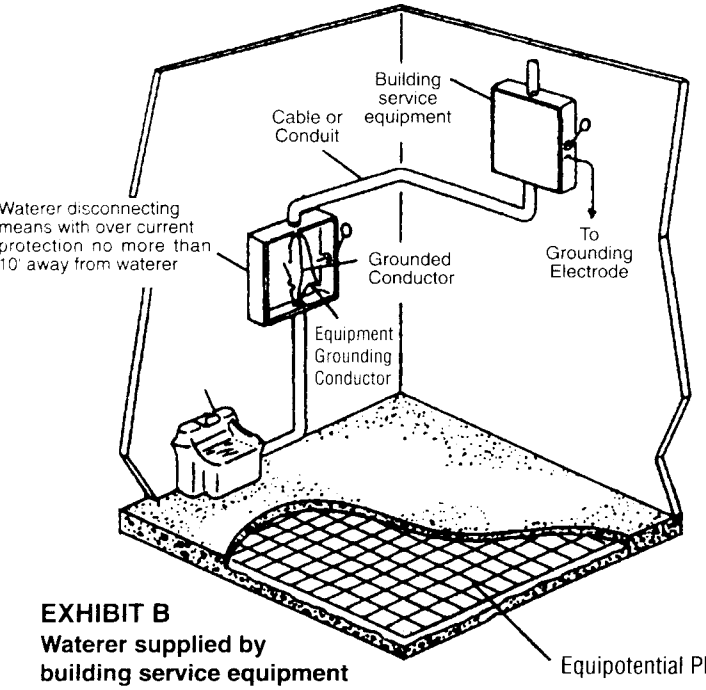


EXHIBIT B
Waterer supplied by building service equipment

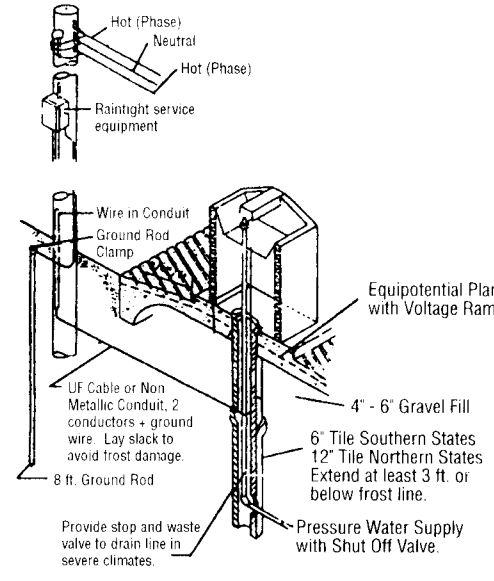
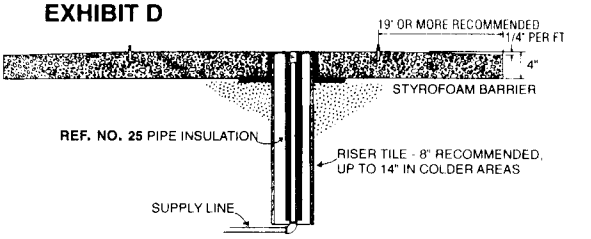


EXHIBIT C
Waterer supplied by its own service equipment

INSTALLATION INSTRUCTIONS

STEP 1: Get your qualified electrician involved in the planning of your installation. Review Exhibits A, B and C on page 2.

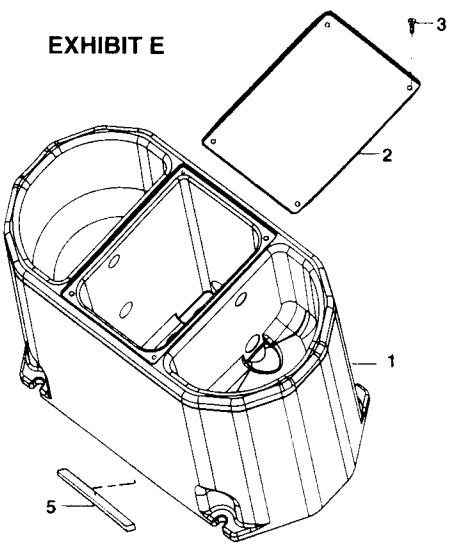
EXHIBIT D



STEP 2: RISER TILE - The ideal size of riser depends on the installation, source of water and geography. If you are replacing an existing waterer and have had no supply line freezing problems and have been using no supplemental heat on your supply line, you can probably use your existing tile. For best protection, we recommend that a new riser tile of at least 8 inches (20.3 cm) diameter be installed. **INSTALLATION MUST BE MADE WITHOUT THE SUPPLY LINE TOUCHING THE RISER TILE AND THERE MUST BE NO DEBRIS OR DIRT IN THE RISER TILE. DO NOT STUFF YOUR RISER TILE WITH INSULATION AS IT CAN BECOME WATER LOGGED RESULTING IN FROST PENETRATION.** If the installation is north of Interstate 90 or if frost heaving is a problem in your area, use a flexible supply line, such as 3/4 inch (1.9 cm) braided vinyl tubing available at most plumbing supply outlets. Also using a flexible supply line will facilitate valve hookup under STEP 5 below. If your water supply line is flexible and you are concerned that the flex may cause it to touch the riser tile, use a deep well submersible cable guard (a nylon plate that slips over the supply line and keeps it centered). Ask for a deep well submersible cable guard at your local plumbing supply outlet. **BE SURE TO USE THE PROVIDED FOAM PIPE INSULATION AROUND YOUR SUPPLY LINE.** Make sure the insulation does not touch the riser tile as well. Where water is 54°F (12°C) or higher, you will probably not need to use a tile larger than 8 inches (20.3 cm) diameter. If entering water is 50°F(10°C) or colder, we recommend a tile of about 12 inches (30.5 cm) diameter. If incoming water has a temperature of the lower 40's (about 4°C), use a 14 inch (35.6 cm) tile.

STEP 3: MOUNTING PAD - Review Exhibit D. Concrete pad should be about 4 inches (10.2 cm) thick. Surface area where drinker sits should be smooth and level to provide a good seal. From the edge of the drinker, pad should slope about one-quarter inch per foot (about 1cm per 48 cm). The size of the pad is left to the user's discretion but we suggest you pour a pad large enough for livestock to stand on while drinking (about 19 inches (48 cm) beyond the edge of unit on all four sides). A rough broom finish provides better livestock footing. NOTE: The area where drinker sits should be smooth. A styrofoam barrier should be provided around the riser tile. Supply line should be at least 3/4 inch (1.9 cm) diameter. However, line should be sized to account for any pressure drop relating to distance. Water lines over 50 feet (15 meters) should be one inch (2.54 cm) or larger. Use of undersized supply line may cause loss of recovery capability.

EXHIBIT E



STEP 4: The drinker components you need for installation are located underneath the top cover (Ref. No. 2, Exhibit E). Remove and save the 2 1/4-20 x 1/2 slotted screws (Ref. No. 3).

STEP 5: VALVE AND SUPPLY LINE ASSEMBLY - Your drinker should have Ref. Nos. 11, 12, 13, 14 and 15 already installed.

Without sticking the base seal to the bottom of the drinker, place your drinker over the supply line (supply line should be inserted into the hole marked "WATER"). Cut your supply line and add Ref. Nos. 26 and 27 (the 3/4 x 1/2 adapter and the 1/2 x 3/8 nylon insert adapter) such that

a. your 3/4" supply line is inside the drinker and

b. that the 3/8" hose extends above Ref. No. 11 (1-1/2" close threaded nipple) by about 1/2 inch (1-1/2" after adding the Ref. No. 10-3/8" straight hose barb). Therefore, the top end of Ref. No. 10 hose barb will be approximately 12 1/2 inches above ground level.

At this time, connect the Ref. No. 10 - 3/8" hose barb to the 3/8" hose, inserting about 1/2 inch of the barb into the hose and tightly securing with the stainless clamp (Ref. No. 16). It may be easier to remove the drinker in order to tighten the clamp.

Insert stem of valve (Ref. No. 8-A in Exhibit F & G (G on the goldenrod sheet) through hole in 1-1/2" threaded cap (Ref. No. 9). Thread mount nut (Ref. No. 8-B) onto valve stem. Slots around perimeter of the mount nut go down. Do not over tighten mount nut. It just needs to be snug. You may want to insert a screwdriver in the slots of the mount nut to hold it while you snug the valve onto the Ref. No. 9 cap. You will attach the valve to the supply line in STEP 8 below.

STEP 6: FOR WARM CLIMATE INSTALLATIONS ONLY - Some warm geographic areas do not use a riser tile and may only have a buried supply line protruding through a concrete pad. Our drinker has a cavity which can accommodate such setups. See Exhibit H. You can connect from a 1/2" or 3/4" supply line by using a bushing, an elbow, and a thread by 3/8" barb assembled inside the cavity with a connection to the 3/8" braided hose (Ref. No. 17) provided.

STEP 7: HEATER ASSEMBLY - Ref. Nos. 14, 15, 20 and 21 should already be installed in your drinker. Run your electric supply into the 1-1/2" x 10 1/2" PVC pipe. Snap on Ref. No. 22 PVC Clip. This is used to help support the heater on the 12" tube. Move the clip so that the bottom of the heater is about 2" off the bottom. Your C250 utility de-icer is supplied with the cord set plug clipped off. This permits a water tight connection. Cut the heater electrical cord to the desired length. The recommended length of the heater electrical cord is about 13 inches. Strip the three wires inside the heater cord set to connect to your supply line - black to hot; white to neutral; and green to ground.

STEP 8: MOUNTING DRINKER

1. Slide Ref. No. 25 pipe insulation down over supply tube making it even with the top of the riser tile. Hold in place at the top with tywrap.
2. Stick base seal to reservoir bottom just inside the anchor slots across the ends.
3. Set reservoir over supply tube keeping supply tube centered in the tile.
4. Run electrical supply into the heater PVC pipe assembly in the drinker.
5. Place Ref. No. 8E coupling nut over the barb attached to the 3/8" hose. Add Ref. No. 8D plastic washer and Ref. No. 8C rubber cone washer. Note that the cone washer has the widest part down. Tighten the Ref. No. 8E coupling onto the valve stem which protrudes through Ref. No. 9 cap.

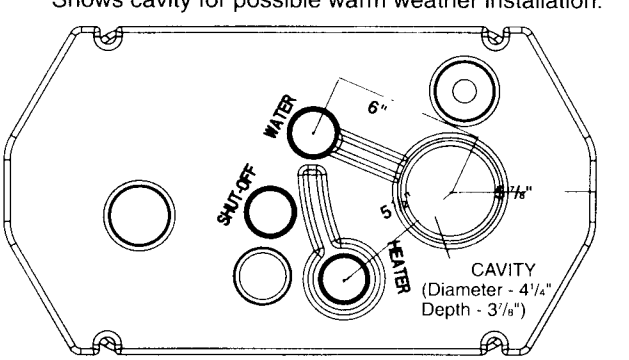
Now screw Ref. No. 9 cap onto Ref. No. 11, 1-1/2" threaded nipple. The 3/8" barb will rotate inside the Ref. No. 8C rubber cone washer so that the 3/8" hose should not become twisted.

Note that if you ever need to replace the valve, you do not need to take up the drinker. Loosen the cap (Ref. No. 9) and twist the valve and cap off together. The 3/8" hose will stay attached to the 3/8 x 3/8 barb (if clamped tightly) and the barb will rotate inside the rubber cone washer--allowing you to disassemble cap (Ref. No. 9) from the threaded nipple (Ref. No. 11).

6. Lag drinker to pad. Use an anti-seize compound on the lag bolt threads and nuts.
7. Complete your electrical hookup.

EXHIBIT H

Bottom Up View of Base
Shows cavity for possible warm weather installation.



FILL VALVE FLOW RATE AND MAINTENANCE

Your fill valve automatically maintains the water level by sensing weight. It is approved non-siphoning, is corrosion proof and has been proven over many years of use with animals. It can function in an operating range of 10 PSI to 100 PSI. NOTE: You do need a pressurized water source. It will operate in a water depth range from 4 to 20 inches. This valve is only to be used with water.

Note the following fill rates at various PSI's.

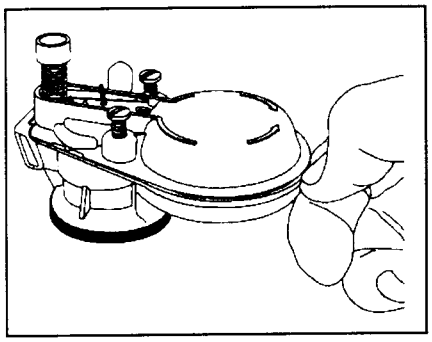
GALLONS/PER MIN./PER HR. CHART

PSI	Gallons/Min.	Avg./1Min.	Gallon/Hr
60 PSI	2 3/4 gal – 1 Min 5 1/2 gal – 2 Min 8 1/2 gal – 3 Min	2.83	170
50 PSI	2 1/2 gal – 1 Min 5 gal – 2 Min 7 1/2 gal – 3 Min	2.50	150
40 PSI	2 1/4 gal – 1 Min 4 1/2 gal – 2 Min 6 3/4 gal – 3 Min	2.25	135
30 PSI	1 7/8 gal – 1 Min 3 3/4 gal – 2 Min 5 3/4 gal – 3 Min	1.91	114.9
20 PSI	1 1/2 gal – 1 Min 3 1/8 gal – 2 Min 4 3/4 gal – 3 Min	1.58	94.9

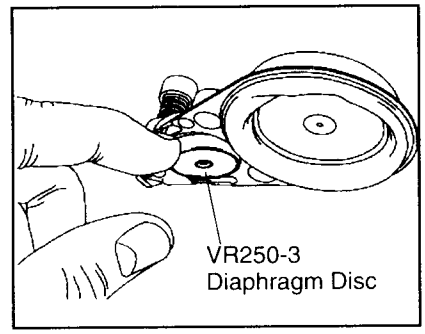
Concerning the proper water level, there are 2 holes on the vertical surface of the valve compartment wall. There is a 1" diameter hole down 1" from the top (marked Ⓐ in Exhibit H). There is also a 1/2" diameter hole below the 1" hole (marked Ⓑ in Exhibit H). Maintain your water level between the 2 holes -- i.e. keep the lower 1/2" (Ⓑ) hole covered with water and do not raise your water level higher than about halfway up on the larger (Ⓐ) upper hole.

To adjust water level, turn the adjusting knob clockwise (↷) to raise the level. Turn counter-clockwise (↶) to lower it. One full turn of the knob will change the water level 2 inches.

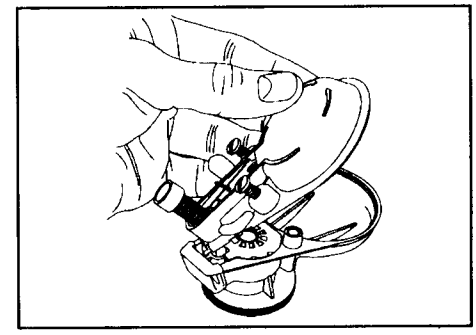
If your valve does not shut off completely it probably needs to be cleaned due to water impurities. If so, follow these procedures.



Turn off water supply. Remove 2 top screws. Remove top cover of valve using fingernail.



Lift off cover and carefully remove black rubber disc. Be careful not to nick or otherwise damage the disc or any of the parts. Wash disc and re-insert with the smooth side showing. A replacement disc can be ordered from a retailer that carries a similar valve or order Part No. VR250-3, diaphragm disc from Hawkeye Steel Products, Inc.



Carefully re-assemble cover with tabs on the cover interlocking with the slots on the valve body. Close cover and install screws. Do not overtighten screws. Turn on water supply.

HEATER OPERATION:

⚠ WARNING ⚠

DISCONTINUE ELECTRICAL SERVICE TO ELECTRIC SUPPLY LINE BEFORE REMOVING THE HEATER.

Farm Innovators Model C250 Utility De-Icer standard specifications are 250 Watts / 120 VAC / 2.0 AMPS. The heat range is about 34° F to 45° F. The de-icers only works when the temperature approaches freezing. It is thermostatically controlled to turn on at freezing and to turn off when the temperature is above freezing.

If unit freezes in the drinker due to the loss of power, allow unit adequate time to melt itself free. Do not chop or cut at unit while plugged in.

Low voltage is a possible cause for failure or poor performance. Measure voltage at receptacle with unit energized. Voltage drop means wattage reduction. Extension cords cause voltage drop and are unsafe.

IMPORTANT! DO NOT ALLOW DEPOSITS TO BUILD UP ON THE HEATING ELEMENT. This can cause "hot spots" which is a primary reason of failure and voids the warranty. White vinegar or "Lime Away" can be used to clean the tubular element.

When taking unit out of service, disconnect power supply cord, remove unit from tank, clean element (see above), store indoors.

ALSO, PLEASE NOTE:

1. Do not energize the heater until the drinker is filled with water.
2. Do not operate the unit out of water (except to test - See 3 below.)
3. Here's how you can check to see if your heater is working--
   a) Set unit in freezer for one hour or outside for one hour if temperature is below 35 degrees F.
   b) Connect heater to an electrical source. Hold the heater by the cord set. Within seconds, the element should begin to heat. Listen for the thermostat to "click" off. Disconnect the unit. The unit is working properly.

Other Management Tips

For extra assurances that your supply line will not freeze up during the severest conditions:

1. Make sure you have an airtight and water tight connection between the mounting pad and drinker base.
2. Make sure your riser tile is flush with the top of the platform.

When tank needs to be cleaned, stir up solids so they are in suspension. Remove plugs (or push in plugs through outside openings). The valve will activate giving a flushing action.

When servicing during cold weather, use artificial inseminator's plastic sleeve to keep hands and clothing dry.

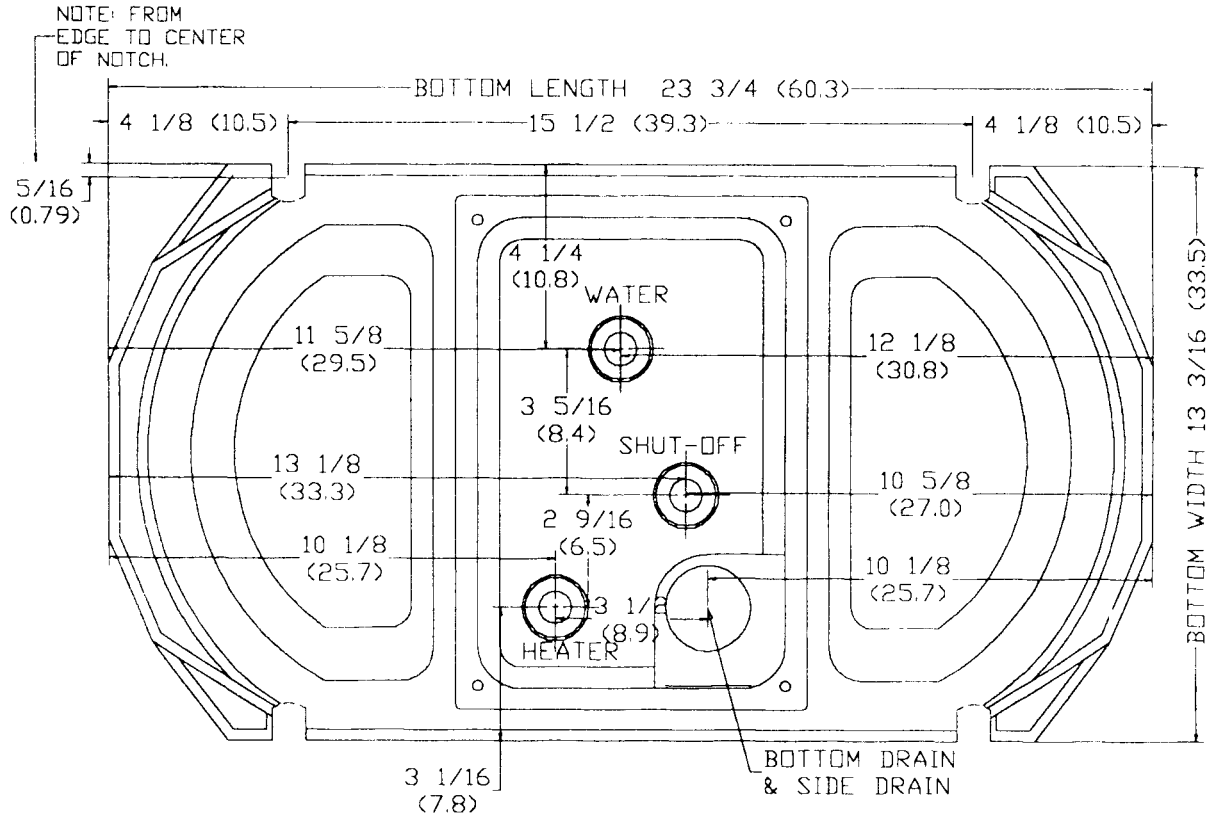
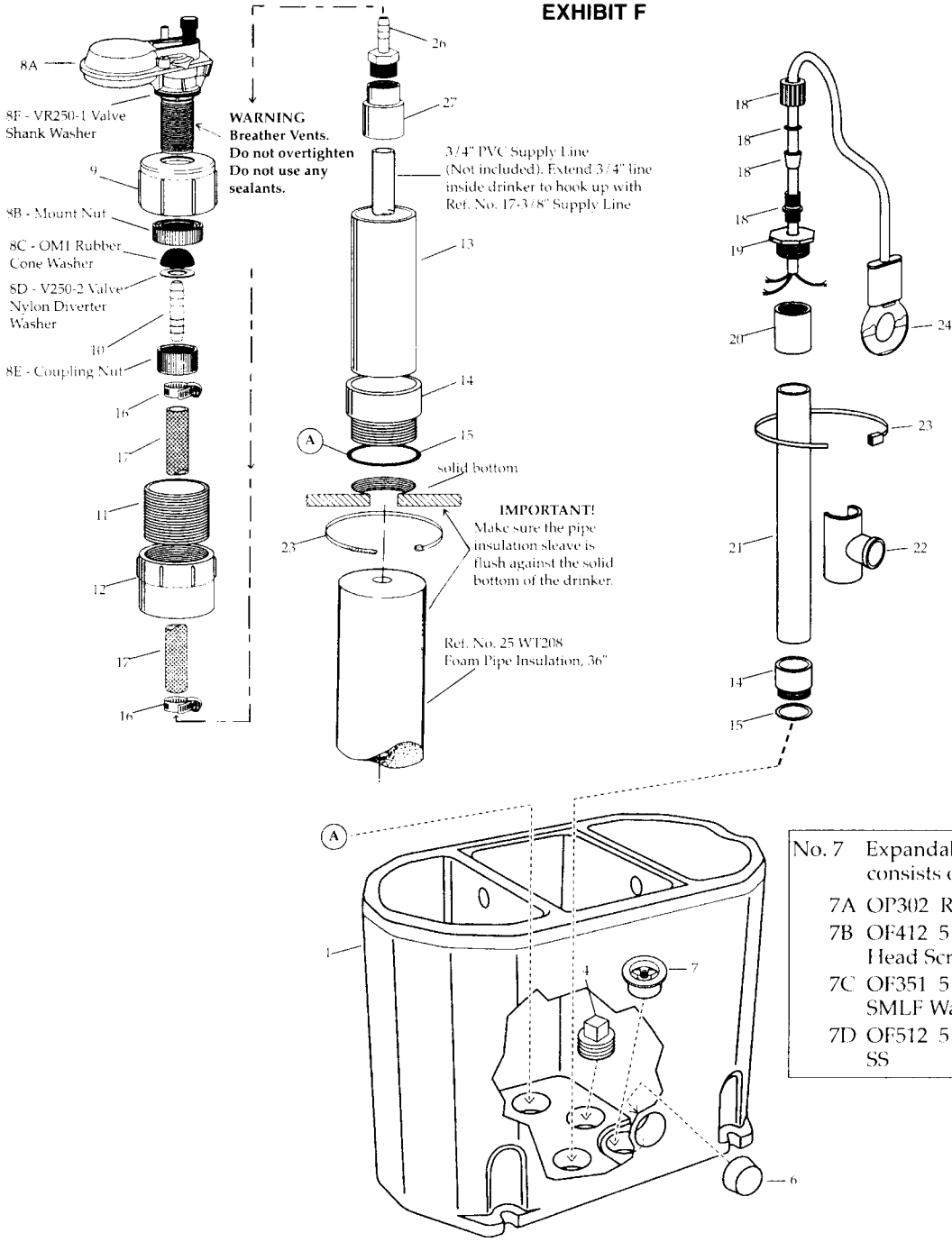


EXHIBIT I

TOP DOWN VIEW OF WPO6/MPO6

Base Dimensions in Inches (cm)

EXHIBIT F



No. 7 Expandable Rubber Stopper consists of:

- 7A OP302 Rubber Stopper
- 7B OF412 5/16-18 x 1 Hex Head Screw, SS
- 7C OF351 5/16-3/4 SMLF Washer, SS (2)
- 7D OF512 5/16-18 Wing Nut, SS

LIMITED WARRANTY

Our part no. OP284 C250 Utility Deicer (heater) and our VR250 Submersible Fill Valve carry an 18 month limited warranty. All other components of Hawkeye Steel Products, Inc. Performance One E-Drinks are covered by a five year limited warranty. Both warranty periods are from the date of purchase. Each drinker must be registered with Hawkeye Steel Products, Inc. on the card which accompanies each drinker. Warranted components should be returned to your dealer for shipment to our factory -- Highway 16 West, P.O. Box 2000, Houghton, IA 52631 USA, Fax 319-469-4402; 800-553-1791. Warranty is limited to the repair or replacement of components. The warranty does not cover removal or reinstallation; cost to transport and retrieve components for repair; damage or loss occurring during transport; damage due to foundation design; damage caused by natural or environmental conditions (acts of God); costs associated with loss of time and/or inconvenience or any other consequential damages; injury; lack of animal performance; loss of profit, life or property; malfunction resulting from misuse, improper installation, lack of maintenance (such as not periodically removing deposits on the deicer), unauthorized alteration, or negligence. All provisions stated on the back of Hawkeye Steel Products, Inc.'s invoice apply and Hawkeye Steel Products, Inc. assumes no consequential damages.

Supplement to Instructions on Plumbing Installation

The supply line installation design for this drinker is the same as that used in our highly successful energy free drinker series. This design is based on the approach that you do not need to add any supplemental heat to your supply line such as heat tape or cable line heater.

The principles in this design are as follows:

1. Use a riser tile suited to your geographic area. See STEP 2 on page 3 of the instruction sheet.

2. Your supply line is centered in the riser tile and never touches any concrete. Concrete is a tremendous "cold sink" and with your supply line touching the concrete you may incur a supply line freeze up at some point during the heating season.

3. Your supply line should be at least 3/4" in diameter and **NOT** plumbed down to the 3/8" braided hose until the hose is inside the plumbing of the drinker. In other words, the braided hose should **NOT** extend below Ref. Nos. 13 or 14 shown on Exhibit G on page 3 of this supplement.

4. The pipe insulation which is included with your drinker needs to be used and needs to be tied such that the pipe insulation is flush against the bottom of the drinker. **NO EXPOSED SUPPLY LINE, PLEASE!**

If you are retrofitting an existing installation, you should be able to achieve this hookup without having to use supplemental heat on your supply line if you adhere to the above four principles.

Because the valve and supply line assembly is important, Step 5 (included in your 6 page instruction sheet) is also shown here for ease of reference.

STEP 5: VALVE AND SUPPLY LINE ASSEMBLY - Your drinker should have Ref. Nos. 11, 12, 13, 14, and 15 already installed.

Without sticking the base seal to the bottom of the drinker, place your drinker over the supply line (supply line should be inserted into the hole marked "WATER"). Cut your supply line and add Ref. Nos. 26 and 27 (the 3/4 x 1/2 adapter and the 1/2 x 3/8 nylon insert adapter)--see Exhibit G on the reverse side--SUCH THAT:

a. your 3/4" supply line is inside the drinker and
b. that the 3/8" hose extends above Ref. No. 11 (1-1/2" close threaded nipple) about 1/2 inch (1-1/2" after adding the Ref. No. 10 - 3/8" straight hose barb). Therefore, the top end of the Ref. No. 10 hose barb will be approximately 12-1/2 inches above ground level.

At this time, connect the Ref No. 10 - 3/8" hose barb to the 3/8" hose, inserting about 1/2 inch of the barb into the hose and tightly securing with the stainless clamp (Ref No. 16). It may be easier to remove the drinker in order to tighten the clamp.

Insert stem of valve (Ref No. 8-A in Exhibit G shown at the right) through hole in 1-1/2" threaded cap (Ref No. 9). Thread mount nut (Ref No. 8-B) onto valve stem. Slots around perimeter of the mount nut go down. Do not over tighten mount nut. It just needs to be snug. You may want to insert a screwdriver in the slots of the mount nut to hold it while you snug the valve onto the Ref No. 9 cap. You will attach the valve to the supply line in STEP 8 as indicated in your 6 page instruction sheet.

Continue with Step 6 as shown on page 3 of your 6 page instruction sheet.

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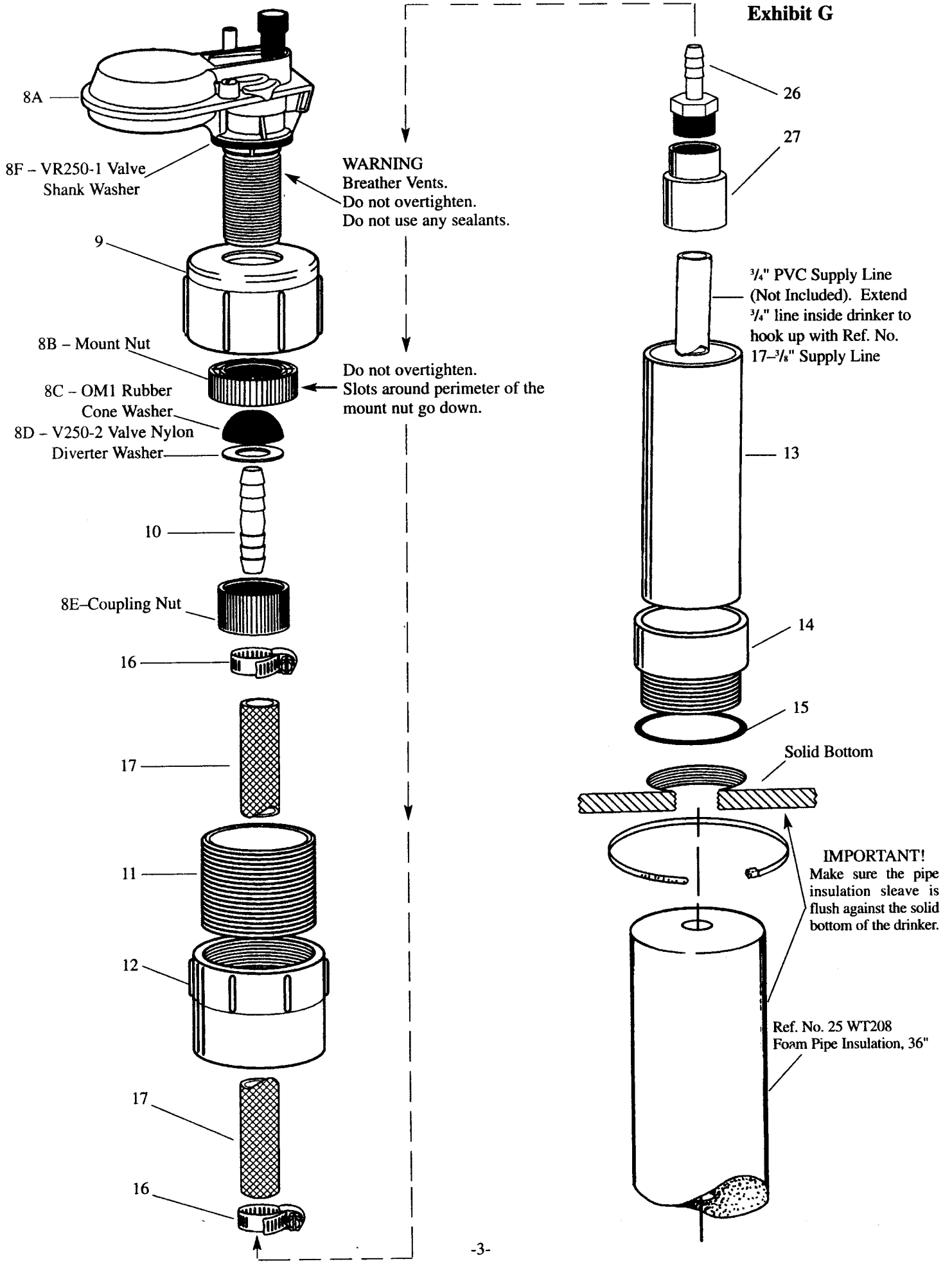
Exhibit G


8A
8F – VR250-1 Valve Shank Washer
9
8B – Mount Nut
8C – OM1 Rubber Cone Washer
8D – V250-2 Valve Nylon Diverter Washer
10
8E–Coupling Nut
16
17
11
12
17
16
WARNING
Breather Vents.
Do not overtighten.
Do not use any sealants.
Do not overtighten.
Slots around perimeter of the mount nut go down.
26
27
¾" PVC Supply Line (Not Included). Extend ¾" line inside drinker to hook up with Ref. No. 17–⅜" Supply Line
13
14
15
Solid Bottom
IMPORTANT!
Make sure the pipe insulation sleave is flush against the solid bottom of the drinker.
Ref. No. 25 WT208
Foam Pipe Insulation, 36"