



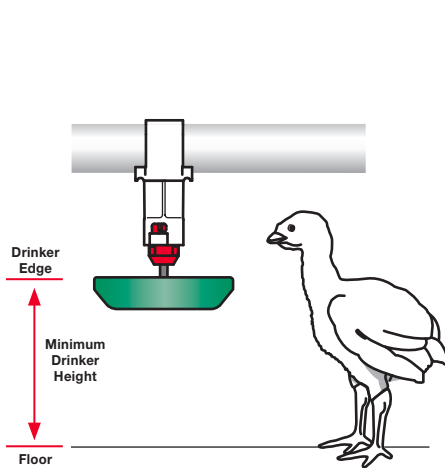
# D-MAX SYSTEM MANAGEMENT PROCEDURES

## TURKEY POULT APPLICATIONS

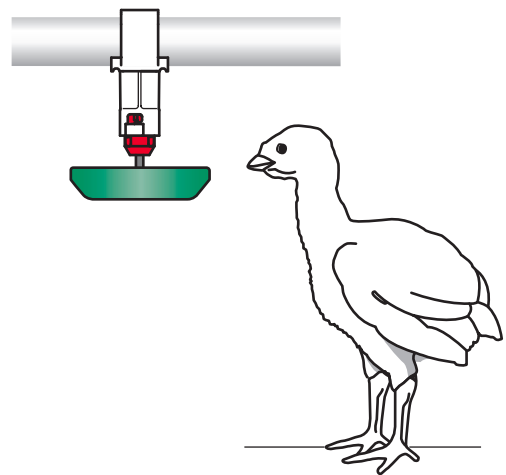
### D-MAX MINIMUM DRINKER HEIGHT

Bird Age		Drinker Height	
Week	Day	IN	CM
1	1	4	10
1	3	5	13
1	5	6	16
2	7	7	18
2	9	8	21
2	11	9	23
3	14-21	10	26
4	21-28	12	31
5	28-35	14	36
6	35-42	16	41

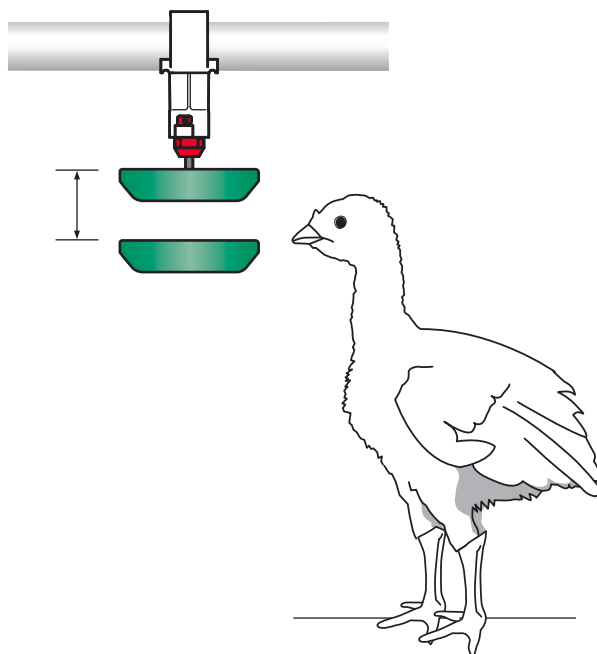
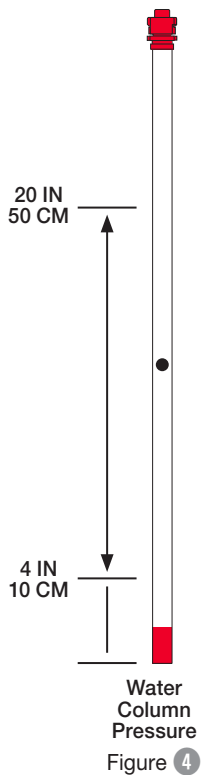
Figure 1



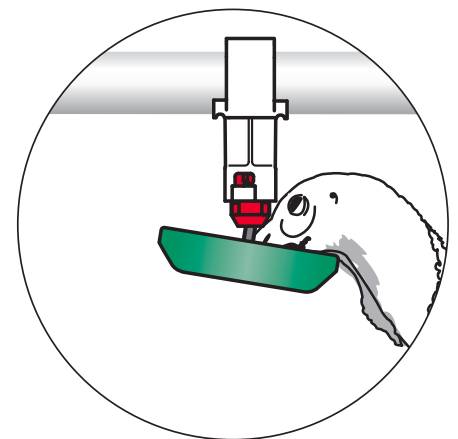
Bird Placement  
Figure 2



Within 7 Days  
Figure 3



Within 14 Days  
Figure 5



Proper Drinker Activation  
Figure 6

## IMPORTANT OPERATING PRINCIPLE

Water column pressure and drinker height directly affect the water level in the D-Max drinkers, with drinker height having a far greater influence. See Figures 1, 4 and 6 on the front side. Higher water column pressure and higher drinker line height result in a higher water level in the D-Max drinkers. Lower water column pressure and lower drinker line height result in a lower water level in the D-Max drinkers.

During the drinking process, it is important that the turkeys push down on the edge of the D-Max drinkers with their necks. Maintain a drinker line height that forces the turkeys to stretch their necks up and over the D-Max drinker edge when drinking. See Figure 6 on the front side.

### Pre-Bird Placement Procedures

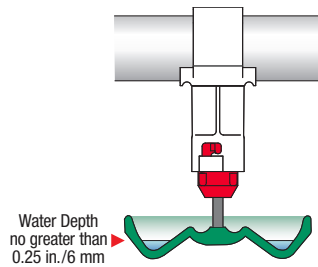
- Level litter under the drinker lines, eliminate high and low spots.
- Lower drinker lines so the D-Max drinker edge is approximately 4 in./10 cm off the floor. Never allow drinkers to touch the litter or floor.
- Adjust regulators to 20 in./50 cm of water column pressure.
- Manually activate each D-Max drinker while high-pressure flushing and create a water depth of 0.25 in./6 mm in the green reservoir.

### Bird Placement Procedures

- Fine tune drinker line height as per Figure 1 on the front side.
- Check that water is present at both ends of the drinker line.

### Production Cycle Procedures

- On Day 2 reduce water column pressure to 10 in./25 cm. Make further water column pressure adjustments either lower or higher in order to maintain a water depth no greater than 0.25 in./6 mm in the green reservoir throughout the production cycle. See Figure 4 on the front side.
- Also starting on Day 2 increase drinker line height every day to day 14 and thereafter several times a week. See Figures 1 - 6 on the front side.
- Please note that the Drinker Height chart (Figure 1 on the front side) is the **MINIMUM** drinker height based on bird age. It is highly recommended to adjust drinker line height as high as possible to achieve and maintain Proper Drinker Activation. See Figure 6 on the front side.
- If the flock has a major uniformity issue, adjust one drinker line slightly lower to accommodate smaller birds.
- High-pressure flush to stimulate bird drinking activity and to remove air and biofilm from the drinker lines



### Best Management Practices

- Make certain all riser tube caps are clean and venting.
- Using Ziggity's drinker tool, periodically remove a drinker and inspect the cap and metering pin area for signs of biofilm or sediment build up.
- Using Ziggity's riser tube brush, clean riser tubes so water column pressure can be monitored.

### Post-Intervention Procedures

Remove biofilm and residue from drinkers and drinker lines immediately after every intervention of medicines, vitamins, etc., by doing the following:

- Flush drinker lines at least one minute for every 100 ft./30 m of system length.
- Use a hydrogen peroxide-based product through the system at levels and duration necessary to effect a thorough cleaning.
- As with all cleaning interventions, consult your veterinarian or flock service person for acceptability and proper procedures.
- Always follow manufacturers' recommendations regarding safe usage and handling of cleaning products.

### Post Production Cycle Procedures

- Charge drinker lines with a hydrogen peroxide-based product and water mixture, following manufacturers' guidelines. Let stand, then high-pressure flush at least one minute for every 100 ft./30 m of system length.
- Clean all riser tubes with Ziggity's riser tube brush.
- Open and clean all riser tube caps.
- To prevent freeze damage, drain drinker lines by removing the regulator inlet flush valve unit and end assembly end cap.

### **WARNING – AVOID USE WITH OR EXPOSURE TO CORROSIVE PRODUCTS:**

Do not allow Ziggity products to come into contact with petroleum, phenol or aldehyde based products or any other corrosive product in general. Contact with such corrosive products is likely to result in damage to, or failure of, the Ziggity product. Additionally, aggressive chlorination and/or acidification programs (greater than 1 ppm and/or pH less than 6) will shorten the life of Ziggity products. Failure to follow this warning will void any otherwise applicable warranty coverage for the Ziggity product when the product is chemically damaged.

**The Poultry Watering Specialists**



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