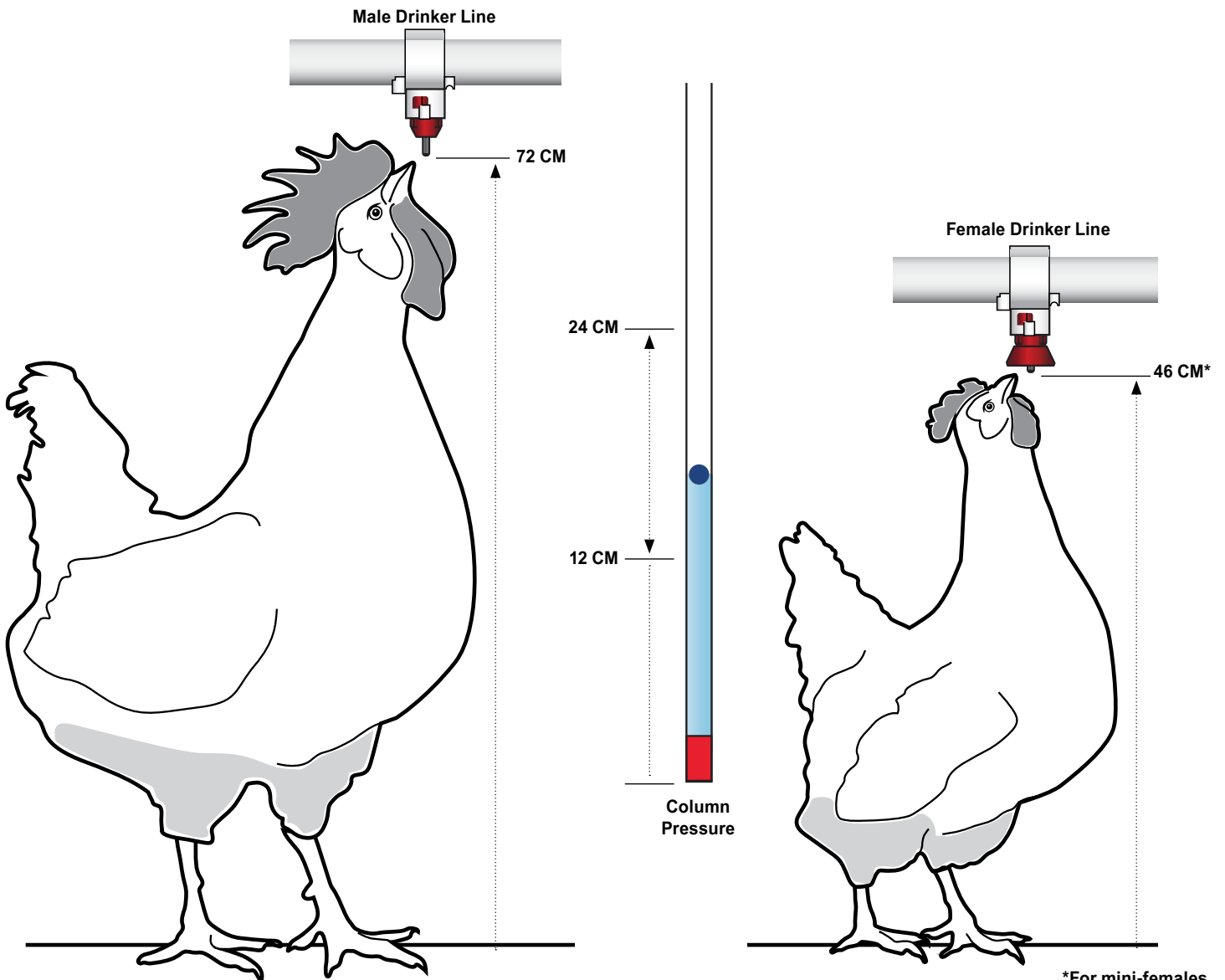




# MANAGEMENT PROCEDURES BIG Z - BROILER BREEDERS



\*For mini-females, adjust line height even lower

# Important operating principle

Water column pressure determines how much water discharges from the drinker when activated. Higher column pressure increases water discharge and lower column pressure decreases water discharge. Increase column pressure if the litter or slats directly under the drinker lines are dusty dry and decrease column pressure if they are damp or wet.

## Pre-Bird Placement Procedures

- Adjust regulator to 12 cm of column height pressure.
- Pre-Set drinker height (the distance from the drinker trigger pin to the floor) for both the female and male drinker lines. (See Front Side)
- Activate each drinker manually to ensure water is present throughout the system.

## Bird Placement Procedures

- If deemed desirable initial drinker height can be somewhat lower but no greater than 5 cm lower than what is indicated on the front side.
- Check for the presence of water at both the regulators and end assemblies.
- Maintain 12 cm of column pressure at the regulator.

## Production Cycle procedures

- Within 3 days of bird placement make sure drinker height for both female and male drinker lines are as indicated. (See Front Side)
- Maintain the initial column pressure of 12 cm for both male and female watering lines during the first week. On day eight note the litter and slat conditions under the male and female drinker lines. If the conditions are totally dry do the following
  - Increase the column pressure by 2.5 cm on one of the watering lines. Just one of the female lines if they are totally dry and if the same is true for the male line then adjust upward only one of the male lines. These are now the test lines.
  - Wait 24 hours and note the conditions under the lines. If still dry, turn up all the remaining drinker lines, either male or female or both.
  - Go back to the test line and increase by 2.5 cm and repeat the process until you note some dampness. Turn the pressure back down by 2.5 cm in the test lines and maintain this pressure throughout the production cycle. The principle here is to readily fill the bird's beak with water but not the floor.
- Hint If bird placement is during the summer you may have to turn down the column pressure during fall and winter months when ventilation is seasonally moderated.
- If at any point the litter or slats become damp or wet, aggressively lower column pressure until the top surface of the litter and/or slats start to dry.

## Sloped House Applications

- Adjust and maintain water column pressure settings on the low end of the range given. Adjust the column pressure settings higher only if litter and slat conditions warrant doing so.

## Best Management Practices

- Make certain all riser tube caps are clean and venting air.

- Using Ziggity's drinker removal tool, periodically remove a drinker and inspect the cap and metering pin area for signs of biofilm or sediment buildup.
- Using Ziggity's riser tube brush, clean riser tubes so column pressure settings can be monitored.

## Post intervention Procedures

- Remove biofilm and residue from the drinkers and pipes immediately after each intervention of medicines, vitamins, etc., by doing the following
  - Flush the drinker lines at least one minute for every 30 m of system length.
  - Use a hydrogen peroxide-based product through the system at levels and duration necessary to effect a thorough cleaning.
  - Follow manufacturers' recommendations regarding safe handling and usage of cleaning products.

## Post production cycle procedures

- Charge drinker lines with a hydrogen peroxide-based product and water mixture, following manufacturers' guidelines. Let stand and then high-pressure flush at least one minute for every 30 m of system length.
- Clean all riser tubes with Ziggity's riser tube brush.
- Remove 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.

For questions or concerns, please contact your Ziggity distributor.

### **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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