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Installation And Operation Manual For Jumbo & Classic Type Bell Drinkers

The Automatic Bell Drinkers can be used in any floor type poultry operation. It can be used for either the parent or commercial type of Broiler or Layer birds, Turkeys, Game birds etc. The drinkers maintain a constant level of water (which can be adjusted) round the clock automatically. Our drinkers are simple and compact, easy to operate by any semi-skilled farm staff and consist of less number of parts. The drinkers are designed and tested for long life and trouble free operation at our factory.

PARTS:

JD 01 Bowl	JD 02 Rigid Pipe
JD 03 Flexible Blue Pipe	JD 04 20mm Tee
JD 05 Pipe Adapter	JD 06 Height Adjustor
JD 07 Suspension Cord	JD 08 Ballast Bottle
JD 09 Pipe Hook	JD 10 Valve Body
JD 11 Trigger	JD 12 Tension Spring
JD 13 M.5 Screw & Nut	JD 14 Top Connector
JD 15 Inner Tube	JD 16 Trigger Hook
JD 17 S. Hook	JD 18 Short Flexible Tube

NOTE : JD 19 Consists of Full Valve Assembly having set of components from JD 10 to JD 18.

PIPE LINE :

20 mm/ 10 kg pressure class Rigid PVC pipes can be used which are available in standard lengths of 20 ft. These pipes are economical, rust proof and easy to install.

INSTALLATION OF DRINKERS :

A farmer can himself install Adult Drinkers in his farm by the following method.

Keep drinkers 5ft. apart in two rows in the shed.

* Each drinker can cater to average 50 birds (20% less for parent birds). Eg. 1000 birds need 20 drinkers or 10 drinkers in two rows.

* Connect in straight line row or in zig-zag so that the birds travel less to reach the drinker.

- * Use 250/500 Sintex tank inside the shed, at roof level with a ball float and connect this to over head tank by pipe line. It is not advisable to connect external over head tank directly to the drinker line wherein the pressure may be very high.
- * Height of the Sintex tank inside the shed should not exceed 12ft. from ground level.
- * After determining the drinker positions inside the shed, start cutting PVC pipes marking the distances on it. Connect individual pipes by TEE joints and vertical drops. Raise the entire pipe line to the roof and firmly fix it to the roof supports or purlin, either by binding wire or clamps. Apply adhesive to the TEE and pipe joints and permanently fix them. Then connect the pipe adapter to the vertical drops with adhesive. Then connect the pipe line to Sintex tank.

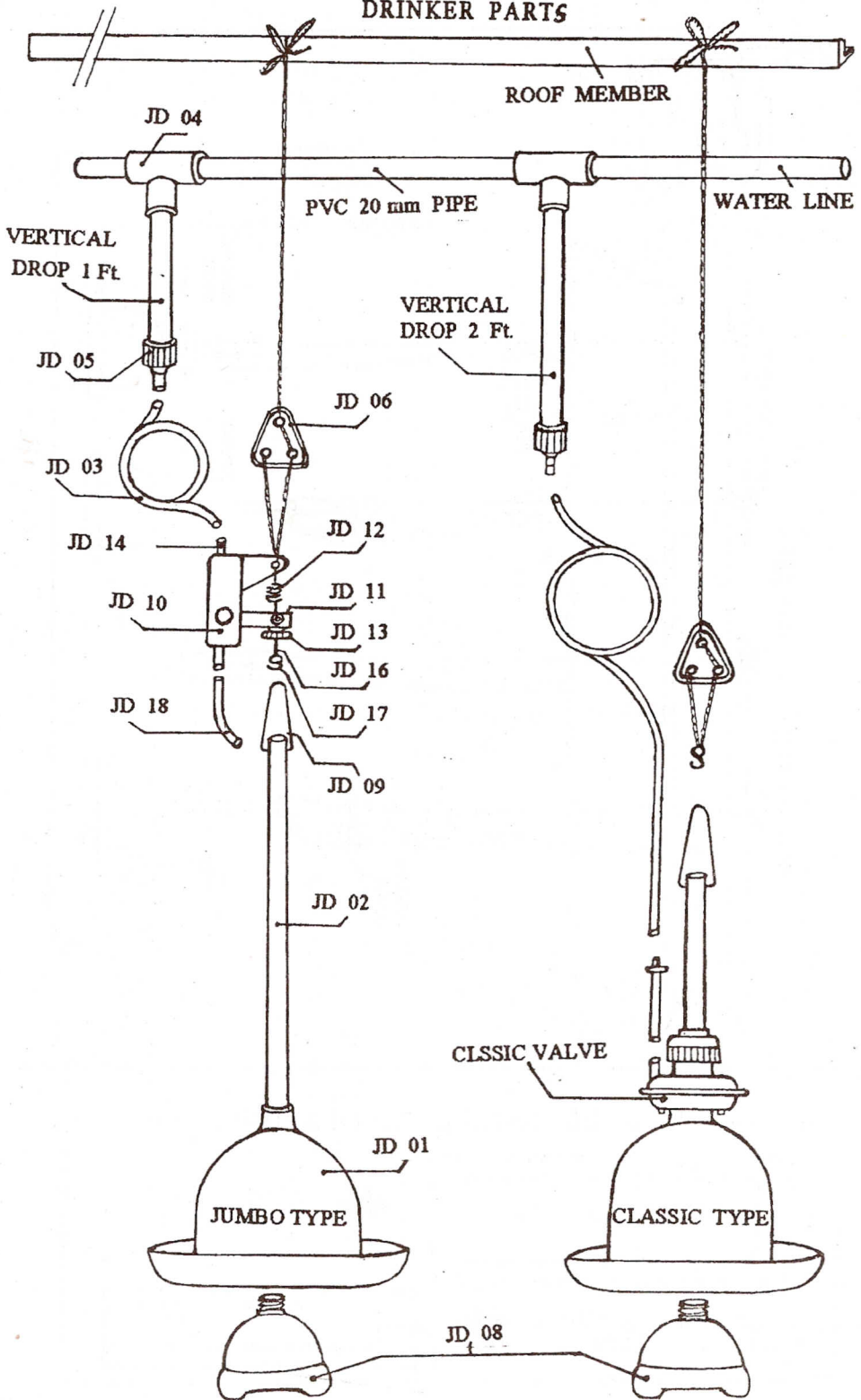
ASSEMBLY OF DRINKERS :

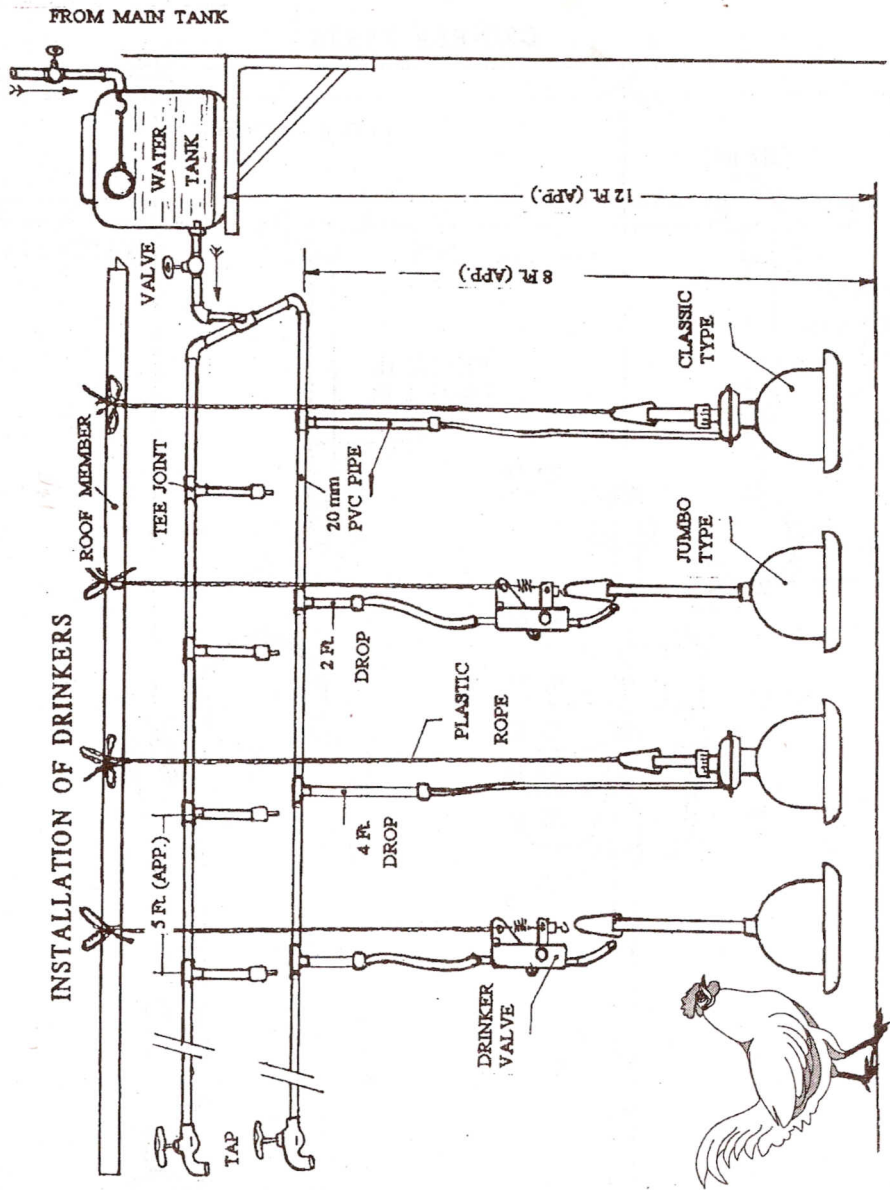
- * Open the cardboard box and remove all the components. Each box contains ten drinkers with components.
- * Remove the red coloured bowl and fix the grey coloured Rigid pipe with the hook on top. Insert the pipe fully onto the bowl and then tighten the screw provided at the top of the bowl.
- * Remove the valve assembly and open the entire plastic rope. Connect the free end to the roof and suspend the valve about 4 ft above the ground.
- * Suspend the drinker (with the pipe assembled) through its V and S hooks combination from valve assembly. Now the bowl is hanging vertically from Top.
- * Adjust the height of the drinker by sliding the height adjustor to suitable height depending upon the age of the birds.
- * Keep a minimum height of 1 inch above the ground level while using for day old birds.
- * Now connect the blue flexible pipe from roof top line, (from pipe adaptor) to the top connector of the valve. Ensure that the pipes are inserted firmly at both the ends.
- * Keep the tail pipe of the valve inside the rigid pipe via the V-hook.
- * Fill the ballast with water to full level and then fix it to the bottom bowl. This is required to make the entire drinker steady and anti-swing. Now the drinker is ready to start watering.
- * Unscrew the nut below the trigger. Now water starts flowing into the bowl.
- * Allow the water to fill 2/3 level and then rotate the brass nut in anticlockwise direction till water flow stops. Now the valve is set for automatic operation and whenever the bird consumes water, the water level is maintained automatically.

MAINTENANCE :

The drinker can be removed along with the pipe from its V and S hooks and conveniently washed with a soft brush, once in a week with disinfectants.

DRINKER PARTS





DRINKER INSTALLATION LAYOUT

