Bellsouth Pty Ltd

Poultry Equipment
Manufacturers and Distributors

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BEC 75 POULTRY DRINKER

SPECIFICATIONS
→Maximum water head - 4 metres
→Drinker diameter 200mm
→Maximum number of adult birds - 15-20
→Maximum number of chicks 2-6 weeks - 50

Please Note

This drinker is not suitable for direct use on mains pressure or pump-pressurised water systems without an immediate header tank or pressure regulator.

CONTENTS

Red drinker cone
Drinker tubing 6mm x 2m
Drinker valve assembly
Hanging cord 2m
Cord adjustor
Cord clip
Hanger
2 compression nuts
Saddle connector
PF09 13mm to 6mm reducing joiner
Instruction sheet

Recommendations.

This drinker is suitable for small flocks of fowl, bantams, guinea fowl, partridge, pheasants, and peafowl. It is also suitable for rearing young of the above species from about two weeks of age.

It is not suitable for use with turkeys, which require either the Plasson Mk2, or Plasson turkey drinker, or for ducks and geese, which require the Plasson Turkey drinker

For day-old chicks use Manual drinker type NLD4500, AD10 cup drinker, or Lubing 4004 drinking nipples..

Requirements

1. Clean water with a maximum pressure of four metres of head. This means that the top of the water tank must be no higher than four metres above the level of the BEC 75 Drinker. The minimum water pressure required for successful operation is 600mm above the drinker's lip height.. Water can be provided from a drum, header tank or regulator. If a regulator is to be used, the MPR-6003 is suitable for all mains and pressure pump applications, and situations where the tanks are higher than 4 metres above the drinker level.

2. A roof beam or hook above the position where the drinker is required to hang, to allow suspension of the drinker.

Assembly

1. Insert the black valve into the cone, valve downwards. Push the black adjustment collar down until it locates onto the thread. Turn the adjustment collar clockwise, being careful not to cross thread the unit. Turn the adjuster until it engages the ratchet and then for a further eight clicks. This will give a staring point for adjustment.

2. Place a compression nut onto the drinker tube, thread facing outwards. Place the suspension hanger over the thread on top of the filter cap. Push the drinker tube onto the tapered end if the filter cap so that the tube reaches the end of the taper. Tighten the nut firmly onto the thread on the drinker cap.

3. Tie the string to the roof and assemble the suspension as per Fig B.

Adjustments

The BEC 75 has two adjustments that are required to be made.

Height: A cord adjuster is supplied so that the drinker can be raised or lowered to suit the species and age of the birds. The height is adjusted so the lip is usually between back and eye height of the birds. See Fig B.

Water level: The water level is adjusted by screwing the valve assembly further onto the drinker's cone.

Grasp the base of the valve assembly, where it screws onto the red cone, in the left hand, and grasp the rim of the drinker cone in the right hand. The thumb should point in the direction of rotation for MORE water. To decrease the water level, rotate the opposite way. See Fig C.

If a damp spot appears beneath the drinker, this indicates the water level is too high or the drinker is too low. Raise the height of

the drinker and lower the water level a little by turning the drinker cone back 3 or 4 clicks.

INSTALLATION METHODS

Choose the method which best suits your location and requirements.

Method 1 - Steel drum or open top plastic drum.

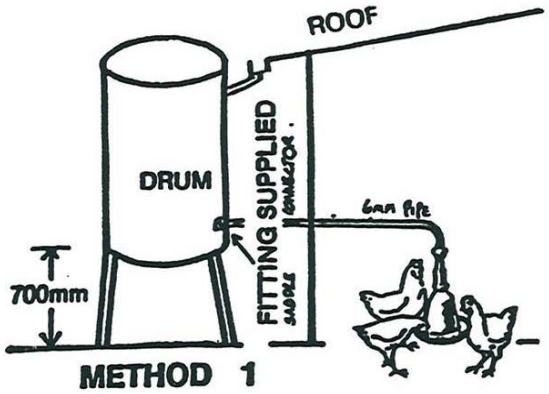
1. Select a clean drum – 5, 12 or 44 gallons
2. Build a stand that will make the base of the drum a minimum of 700mm above the floor height of the shed. The drum should not be more than 2 metres from the position where the drinker will hang.
3. Place the template (Fig A) on the side of the drum and drill two 3mm holes in the drum and one 6mm hole.
4. Dismantle the saddle connector, by removing the plastic screws and back plate. The front is all that is used in this method.

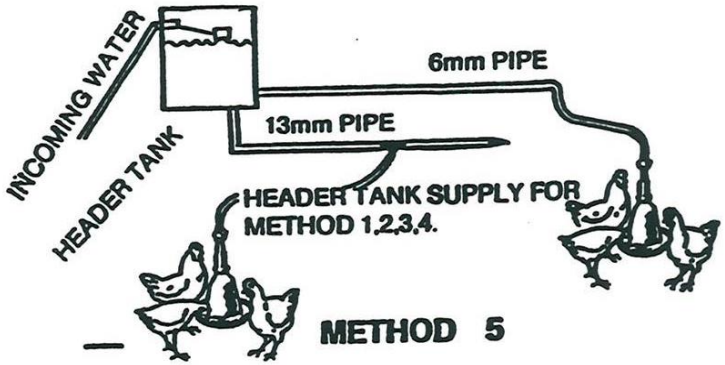
Using 3 or4mm self-tapping screws (not provided), attach the saddle connector front to the side of the drum. With open top plastic drums, nuts and bolts may be required, as the plastic may not hold self-tapping screws. The bolts or screws used will require some sealant (silicon roof and gutter sealer) to ensure that the holes will not leak. Sealant is not supplied.

5. The saddle connector has a screw cap which can be used to turn off the water supply if required.
6. The 6mm pipe supplied with the drinker is joined to the tank using the compression nut. Push the nut onto the 6mm pipe, push the 6mm pipe onto the tank fitting, and screw up the nut.
7. The pipe should then be fed through a hole in the wall in as straight a line as possible.
8. Select a convenient location in the shed where there is overhead support for the string. It is preferable that the drinker is as close as is practicable to the water tank and still allow free access of the birds to all sides of the drinker. The drinker should be less than 2 metres from the tank. It is also preferable that the drinker be away from the perches to prevent night time soiling of the drinker.
9. Cut the pipe to length if necessary and connect the pipe to the drinker using the second compression nut.
10. Assemble the drinker and hang in position.
11. Adjust the water level and the height of the drinker as required.

Method 2 - Supply from large tanks via 13mm standard hose.

This method presumes that the main house supply is a tank and this tank is conveniently mounted so as to allow a non-pumped water flow to the fowls. The maximum height of the top of the water level in the tank is 4 metres above the floor of the shed where the drinkers are to be installed. The minimum height will depend on how long the 13mm pipe run is. If the tank is close, the tank will need to be a minimum of





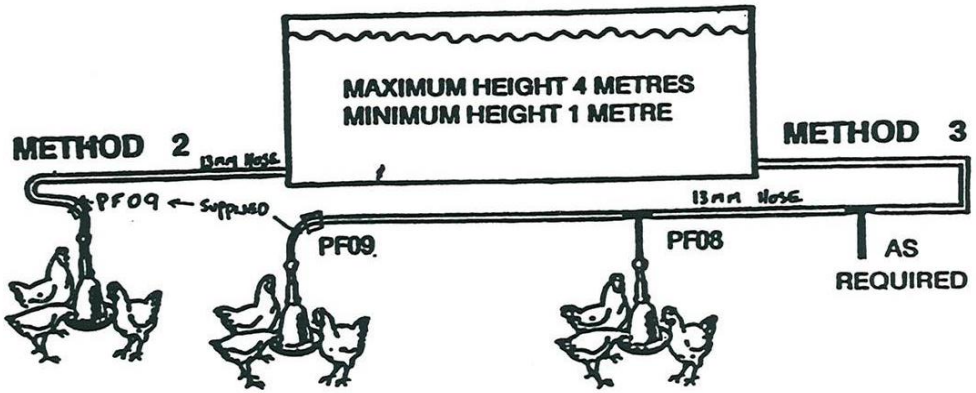
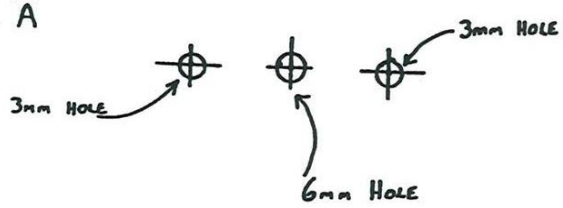
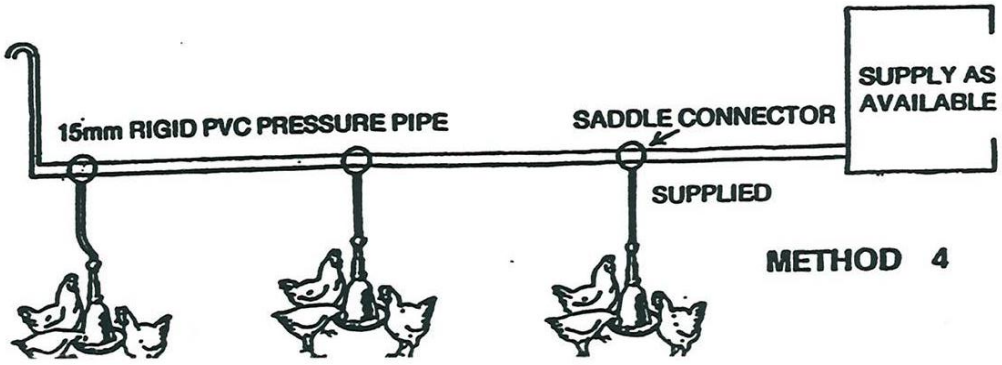


FIGURE 'A'



TEMPLATE

PLACE THIS LINE ON THE BASE OF THE DRUM



700mm above the floor level, if the tank is 25 metres away, the tank will need to be a minimum of 1 metre from the shed floor level.

1. Run the 13mm hose-pipe to the shed and if possible up the shed wall. It is best if the pipe is not in the direct sunlight.
2. Insert the 13mm to 6mm reducer (PF09) into the 13mm pipe and push the 6mm pipe into the reducer.
3. Assemble the drinker, and trim the pipe to the correct length. Hang the drinker and adjust as required.

Method 3 - Multiple drinkers using 13mm pipe.

1. This is an extension of Method 2 allowing several drinkers to be connected to one supply.
2. The 13mm pipe is run to a convenient location near the first drinker.
3. A 13mm tee piece is inserted in the 13mm line to allow for the connection of the first drinker. Use a 200mm section of 13mm pipe on the branch of the T. Then insert the reducing joiner (supplied) into the branch to provide the first outlet.
4. The 13mm pipe is continued onto the location of the next location of the next drinker and then another 13mm tee is used or the 13mm to 6mm reducing bush is used to connect the next drinker.
5. It is important that the pipe used for multi-drinker installation is as straight as possible to prevent air locks.

Method 4 --Multi unit supply from an overhead pipe.

1. This method may be used where several drinkers are required in a row of different pens. Instead of using 1/2" poly irrigation pipe this method uses white rigid PVC pressure pipe.
2. Install the low pressure water pipes through the pens. This pipe should be level or running slightly downhill away from the water inlet end.
3. Drill a 6mm hole in the pipe at every place where a drinker will be connected.
4. Connect the saddle connector to the pipe and clamp it in place using the plastic screws supplied.
5. Assemble the drinkers, and connect the drinkers using the compression fittings.
6. Hang the drinkers and adjust water level as required.

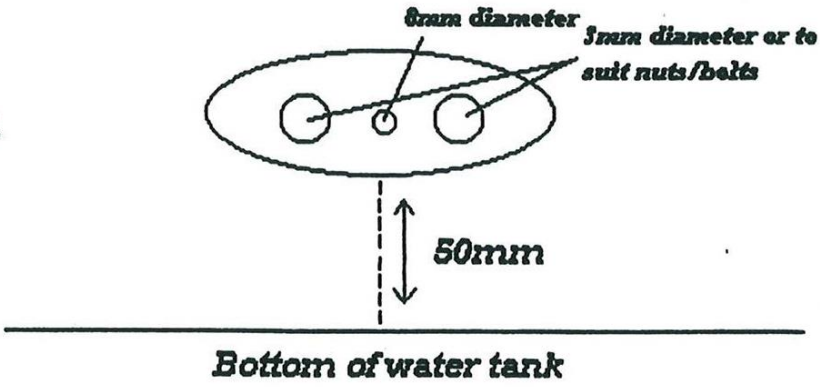
Method 5 - Mains pressure via header tank or regulator MPR-6003.

1. This method allows mains pressure or pump-pressurised water supplies to be used. A header tank with a float valve, Part no AD1 or pressure regulator, Part no MPR-6003 is required, to ensure a continuous supply of water:
2. Mount the header tank at the same level as the pipe run to the drinkers., and connect with incoming water from the mains to the

float valve. If a regulator is used then this can be mounted on the mains water tap.

3. Connect the compression adaptor as per method 1 and install the

FIG A



drinker.

4. A standard tap may be available on the header tank. This would allow the use of method 2, 3, or 4 from the tank.