



**Big Dutchman®**



# **Watering Systems**

For Broilers, Breeders and Turkeys

To achieve optimum performance from your birds, it is extremely important to provide fresh and clean drinking water. A reliable water supply free from contamination and within easy reach of the birds must be available. Big Dutchman satisfies all these requirements through a wide range of drinking systems for broilers, turkeys, breeders, as well as pullets and layers.

**Our product range includes:**

- Nipple drinkers with and without drip cup
- Round drinkers for open water

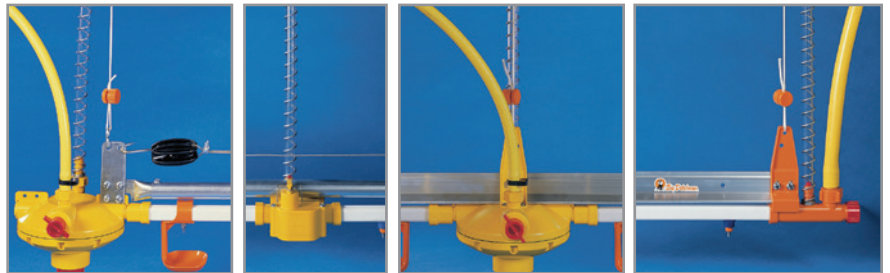
The choice of the right drinking system depends on the type of birds and your individual requirements.

## NIPPLE DRINKERS - HYGIENIC SUPPLY OF DRINKING WATER

In modern poultry production, nipple drinker systems have proven to be reliable and hygienic for supplying drinking water. They can be composed of the following parts:

- Pressure control unit with rinsing system - end or central supply, depending on the drinker length
- Slope regulator - evens out 4 – 6 inch incline
- End kit or end kit with automatic flush kit (optional) each with water level indicator
- Standard pipe with valve. Under normal operation the valve is open to allow the air to escape
- Aluminium extrusion or conduit with anti-roost wire
- Nipple tube with all stainless nipples and combi-nipples
- Suspension system

Pressure regulator, slope control unit, standard pipe and automatic flushing, each with water level indicator.



## STAINLESS STEEL NIPPLE, COMBI NIPPLE, AND SCREW NIPPLE WITH DRIP CUP

These nipples are ideally suited for growing poultry up to a live weight of approximately 26 lbs.

Both nipples have a flow rate of 80 - 95 ml/min, providing sufficient water supply for heavier poultry. The single-arm drip cup keeps the litter dry while giving birds the water they need.

For use in layer and breeder houses, Big Dutchman also offers 50 ml and 100 ml screw nipples that can only be activated vertically.



## HYGIENIC NIPPLE WITHOUT DRIP CUP

With a focus on good hygiene, our nipples deliver a flow rate of 50 to 55 ml/min\*, resulting in the following:

- Reliable valve dispenses water according to demand and without spilling or leaking
- The saddle is welded onto the square nipple tube so the plug-in and fixation mechanism guarantees maximum housing hygiene and does not create any areas for dirt to gather
- Constructed from high-quality materials (stainless steel and special synthetic material) for a long working life



\*At 20 cm water column

## DRINKING SYSTEMS FOR A RELIABLE SUPPLY OF FRESH AND CLEAN DRINKING WATER.

### ROUND DRINKERS - OPEN WATER FOR ALL KINDS OF POULTRY

Big Dutchman offers various round drinkers that are used depending on the bird type and weight. These drinkers are usually installed in a suspended position.

The JUMBO-T and JUMBO-98 round drinkers are ideally suited for heavy turkeys from 4 to 55 lbs. live weight. The JUMBO-B drinker is for turkeys up to 26 lbs. live weight, as well as for layers and broiler breeders. The narrow water jet running along the side of the bell keeps the water supply clear and prevents splashing over the rim, reducing ammonia emissions inside the house.

The ballast body of the JUMBO-T, and B is fitted directly to the suspension, resulting in no load on the valve, and the water level can be adjusted more precisely.



JUMBO-T

JUMBO-98

JUMBO-B

### WATER CONNECTION UNIT FOR POULTRY HOUSES

A complete drinking system comes with the actual drinker, and with a water connection unit. This unit is installed between the main water supply and the house water line, and can consist of different modules put together according to your needs. The water pressure is adjusted by the pressure regulator.

1. Optional back flush filter in case of high water contamination
2. Ball valve for separate water access
3. Water meter for measuring water consumption - optional electronic (8), for connection to a computer
4. Bypass with 3 ball valves – medicator hook up
5. Medicator - available in two sizes
6. Pressure reducer with filter - for the protection of excessive supply pressure



Water connection unit, can be delivered with nominal widths of  $\frac{3}{4}$ ", 1" and  $1\frac{1}{2}$ "

### BIG DUTCHMAN WATER CONNECTION UNITS HAVE THE FOLLOWING FEATURES:

- Compact design leads to problem-free installation, even in small service rooms
- Easy assembly and easy to extend because all parts are screwed together, no sticking joints
- All connecting elements are made of PVC for optimum corrosion protection

## CABLE WINCHES - FOR EASY WINCHING OF THE DRINKER LINES

In floor management, it is very important to adjust the drinker lines in relation to the birds' age. For easy and sufficient intake of water without spillages, the animals have to stretch when drinking. Suspended feeding and drinker lines can easily be winched from the ceiling for cleaning and moving birds in and out of the house.

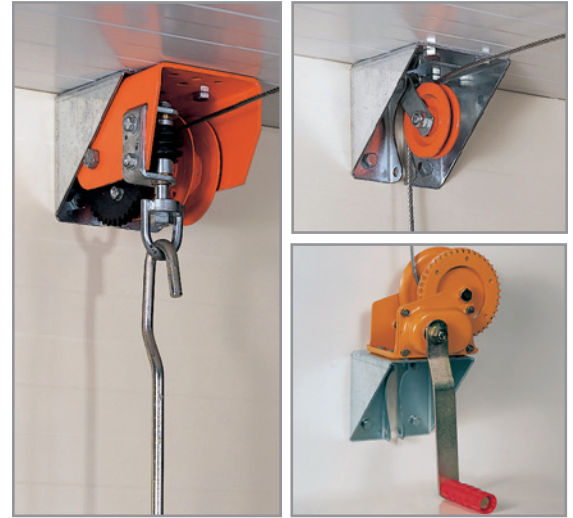
The required suspension system consists of:

- Cable winch, pulley and fixing material
- Cable and cable clamp
- Suspension material

To allow for easy and secure winching of drinker lines, Big Dutchman offers several cable winches both for manual and electrical operation:

- Cable winch for ceiling or gable suspension with a hoisting power of 750 lbs.
- Cable winch for wall suspension including crank with a hoisting power of 772, 1,433 or 1,984 lbs.

Apart from the previously described winches, Big Dutchman offers several other electrical winches that allow for winching of several feeder and drinker lines at the same time. Please let our experts advise you.

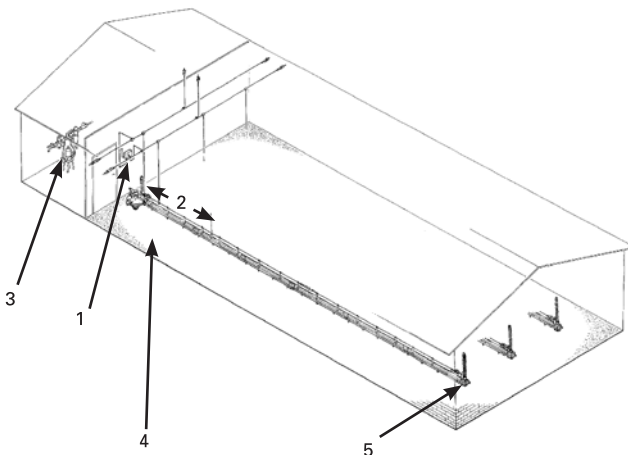


Cable winch for ceiling or gable suspension

Cable winch for wall suspension

## Planning aid

- 1 Electrical anti-roost unit
- 2 Maximum distance between suspensions: 10 ft.
- 3 Water connection unit with medicator
- 4 Pressure regulator unit with water level indicator
- 5 Standard pipe unit with water level indicator



Stainless steel nipple and combi nipples with cups use of max. 300 nipples / pressure regulator unit recommended number of birds per nipple\*:

Broilers**	<b>20-25 birds / nipple</b>
Pullets	<b>10-16</b>
Broiler breeders (0-18 weeks)	<b>10</b>
Ducks	<b>8-12</b>

Use of max. 450 nipples / pressure regulator unit recommended number of birds per nipple\*:

Broilers**	<b>12-15 birds / nipple</b>
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Screw nipples (50 and 100 ml)

Layers (50 ml nipple)

Broiler breeders (100 ml nipple)

**8-10 birds / nipple**

**10**



**Big Dutchman**

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Details are subject to change: 12/14

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