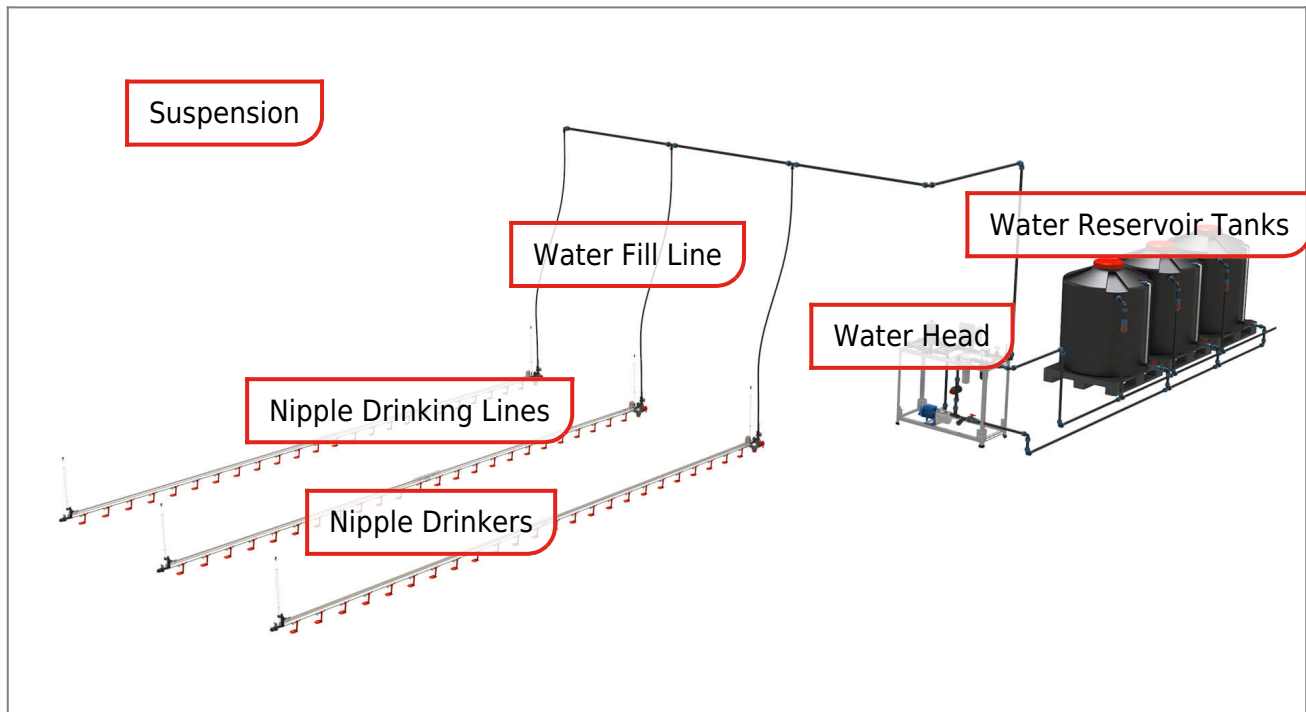


NIPPLES DRINKING SYSTEM

<https://solutions.plassonlivestock.com/system/nipples-drinking-system/>



OVERVIEW

Plasson's nipple drinking system presents a comprehensive solution that guarantees a reliable and efficient way to supply water to the birds, thus promoting proper weight gain and ideal bird performance.

The system is robust, durable, and constructed of high-quality materials and components. Plasson's nipple drinking solution includes a water head system and nipple drinking line. Plasson takes pride in its innovative approach and offers technologically advanced upgrade options

- Robust and durable system to ensure reliable water supply
- High quality components
- Comprehensive solution for all water requirements - supply, regulation, filtration, treatments and more
- A full range of nipples to support the changing bird growth stage, pressure and flow rates required
- Focus on performance factors such as weight gain, accurate water consumption and more
- Easy installation and operation
- Innovative and unique upgrades - Water on Demand, auto Flushing and Flush Control (Wireless Flushing)



WATER RESERVOIR TANKS

Serve as a backup water supply. PE pipes 25/32 mm in diameter ensure an efficient supply of water from the tanks to the water head table or wall panel.

1 Plastic tanks

Durable, long lasting tanks. Various tank volumes are available to match specific chicken house dimensions

2 Water level indicator

A transparent tube serving as a basic visual indicator of the tank's water level.

3 Plastic pallets

Keeps the tank stable and level

4 Valve

Enables shutting off water when water supply from tanks is not required

5 PE pipe

25/32 mm PE pipes deliver water from the tanks towards the chicken house



WATER HEAD - TABLE

The central control point for all water applications in the chicken house. Water is treated and regulated before being directed to each system in the house.

1 Water inlet

Water enters the water head table from the facility water supply or from the reservoir tanks

2 Water filter

A long-lasting 1", 120-micron disk filter that is easy to clean and re-use

3 Water softener

Water flows through Siliphos balls to reduce the calcium level in the water

4 Universal Pressure Regulator (UPR)

A house regulator made of durable plastic. Reduces the facility water pressure to the level required by the chicken house systems

5 Water pump

A booster pump for increasing water pressure when needed

6 Dosage pump

Accurately dispenses medications and other additives for the treatment and general well-being of the birds

7 Water meter

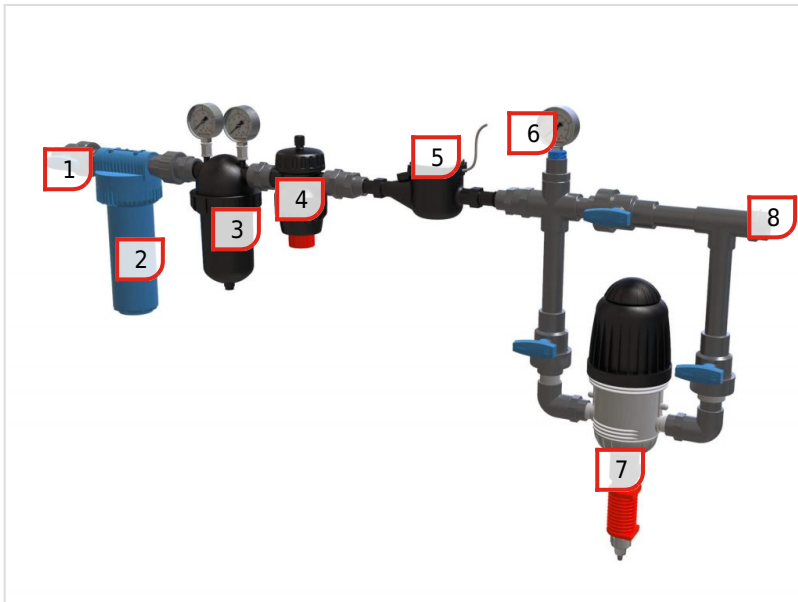
Measures water consumption at the house level. Serves as an efficient way to measure bird water consumption

8 Pressure gauge

Indicates outlet pressure from the table to the fill line and drinking lines

9 Water outlet

water flows out to the fill line pipe



WATER HEAD - WALL PANEL

The central control point for all water applications in the chicken house. Water is treated and regulated before being directed to each system in the house.

1 Water inlet

Water enters the water head wall panel from the facility water supply or from the reservoir tanks

2 Water softener unit

Water flows through Siliphos balls to reduce the calcium level in the water

3 Water filter

A long-lasting 1", 120-micron disk filter that is easy to clean and re-use

4 Universal Pressure Regulator (UPR)

A durable house regulator made of strong plastic. Reduces the facility water pressure to the level required by the chicken house systems

5 Water meter

Measures water consumption at the house level. Serves as an efficient way to measure bird water consumption

6 Pressure gauge

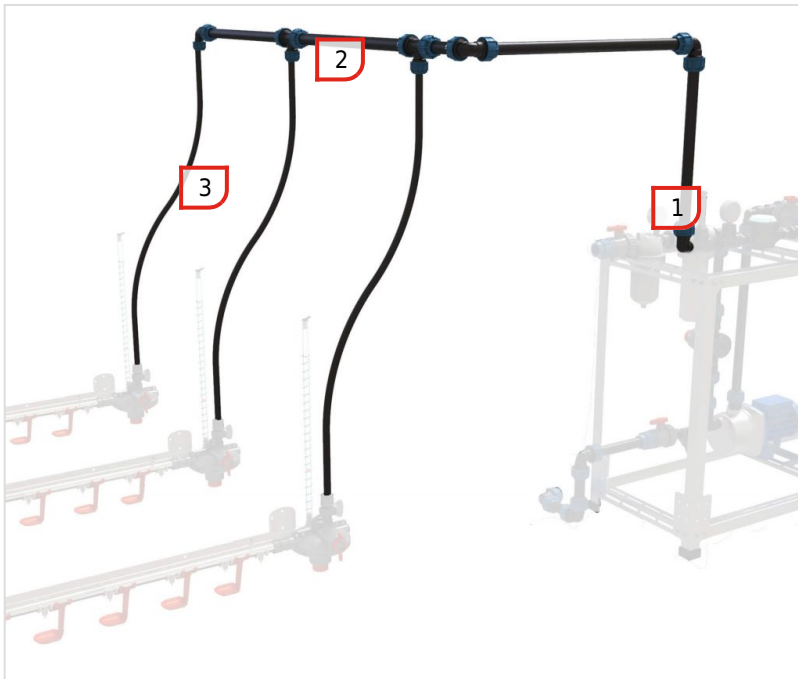
Indicates outlet pressure from the table to the fill line and drinking lines

7 Dosage pump

Accurately dispenses medications and other additives for the treatment and general well-being of the birds

8 Water outlet

Water flows out to the fill line pipe



WATER FILL LINE

Directs water from the water head table/wall panel to the nipple drinking lines

1 Water table outlet

The fill line pipe connects to the table's water outlet

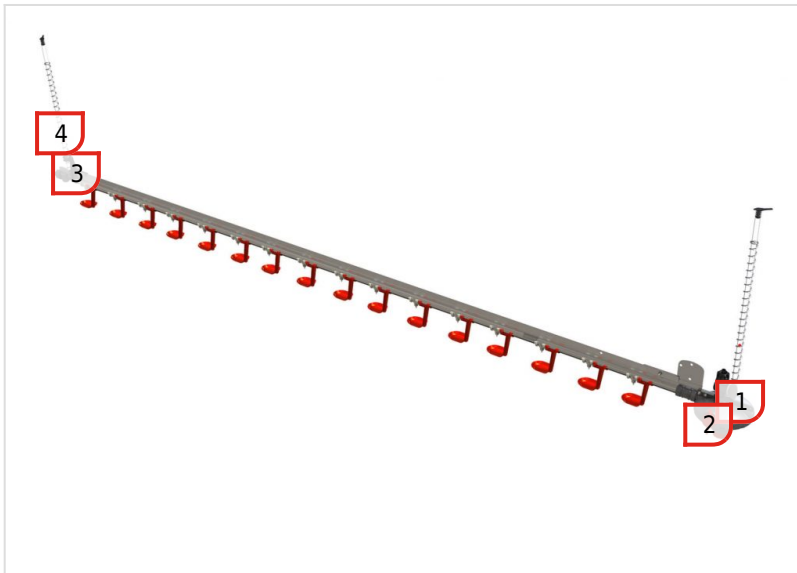
2 PE pipe

25/32 mm pipe which crosses the chicken house, delivering water to the drinking lines

3 Flex tubes

1/2" black flex tubes which deliver water to the line head regulators

LINE HEAD AND LINE END



1 Line head pressure regulator

Plasson's MK2 regulator enables adjusting and controlling water pressure in the drinking line. Available also in mid-line and split lines configurations.



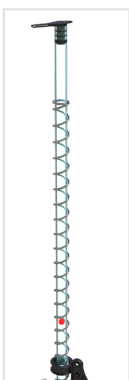
2 Flushing valve

Enables manual flushing of the drinking line

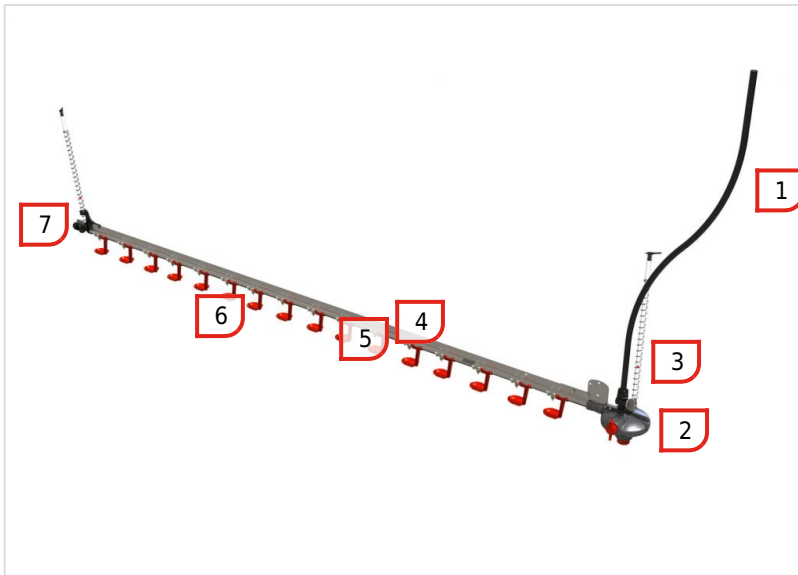


3 Modular Line end

quarter-turn valve with flex tube connector



4 Sight tube



NIPPLE DRINKING LINES

Plasson's nipple drinking system has consistently proven itself over the years to be a high-performance system, guaranteeing a reliable and efficient way to supply water to the birds and thus promote proper weight gain and ideal bird performance. The nipple drinker system is a robust, durable system constructed of high-quality components.

1 Flex tube

connects the drinking line to the PE pipe on the ceiling



2 Line head pressure regulator

Plasson's MK2 regulator enables adjusting and controlling water pressure in the drinking line. Also available in mid-line and split lines configurations

3 Pressure indicator

Indicates water pressure in the drinking lines

4 Aluminum profile

Assembled in 3-meter sections. Serves as a light, sturdy support base for holding the line head regulator, line end, PVC perforated pipe, clip-on nipple drinkers, and trays

5 Perforated PVC pipe

25 mm round pipe which allows for optimal water transport to the nipple drinkers



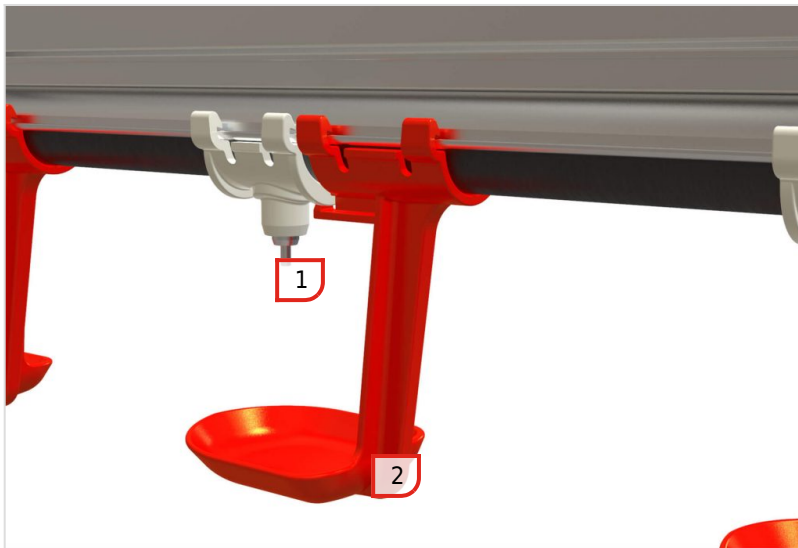
6 Nipple drinkers W/WO trays

Plasson's high-performance broiler nipples with full (360°) side action for effortless water consumption. Includes optional drip tray



7 Modular Line end

Ends the drinking line. Includes a pressure indicator, non return valve, shutoff valve, and a connector for a 1/2" flex tube



NIPPLE DRINKERS - BROILER NIPPLE W/WO TRAY

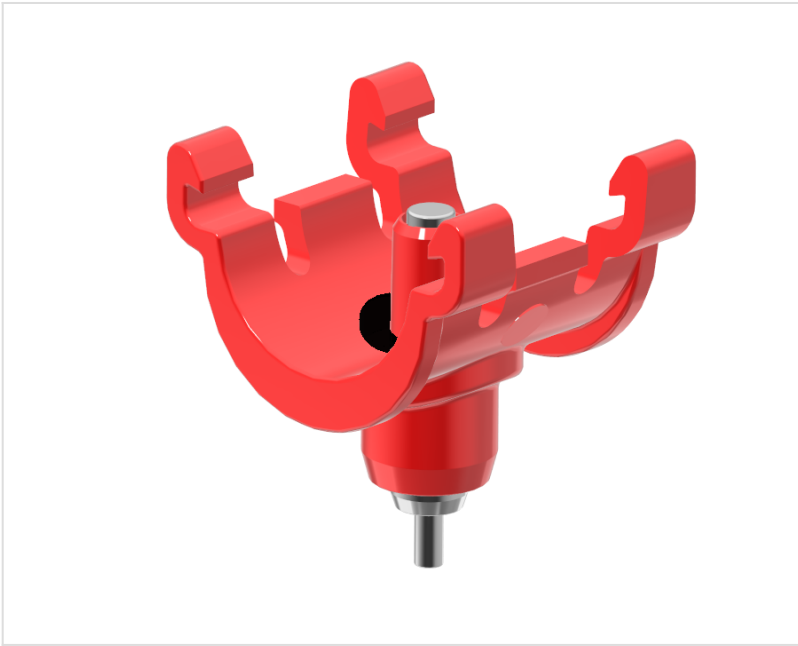
Drinking stations for the birds,
with an optional drip tray

1 Broiler nipples

Plasson's high-performance broiler nipples with full (360°) side action for effortless water consumption. Supports various water flow rates to suit all of the broilers' drinking needs in any climate condition

2 Trays

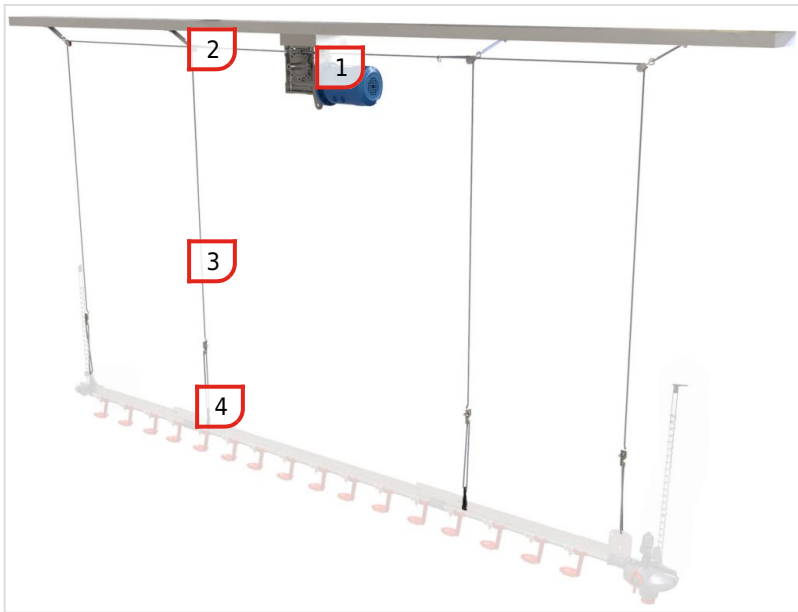
Catch excess water that drips while birds are drinking. Keeps the litter dry, thus maintaining a safe and healthy growing environment



NIPPLE DRINKERS - GROW-FLOW NIPPLE

Plasson Grow-Flow Nipple is designed to maximize Broiler growth. Its unique features are based on years of established research and field experience to provide a superior drinking solution.

Grow-Flow Nipple provides maximal amount of water at the slightest touch, as the Nipple responds in almost any angle, optimal for even day-old chicks.



SUSPENSION

The suspension system enables raising the drinking lines in accordance with the birds' growth stage as well as ongoing tasks conducted inside the chicken house.

1 Winch

Electric or manual winch is used to raise and lower the drinking line. Flat and angled winch supports are used to install the winch to the house structure



2 Pulleys

Guide the nylon cords to the suspension points and are attached to the chicken house structure with galvanized ceiling hooks



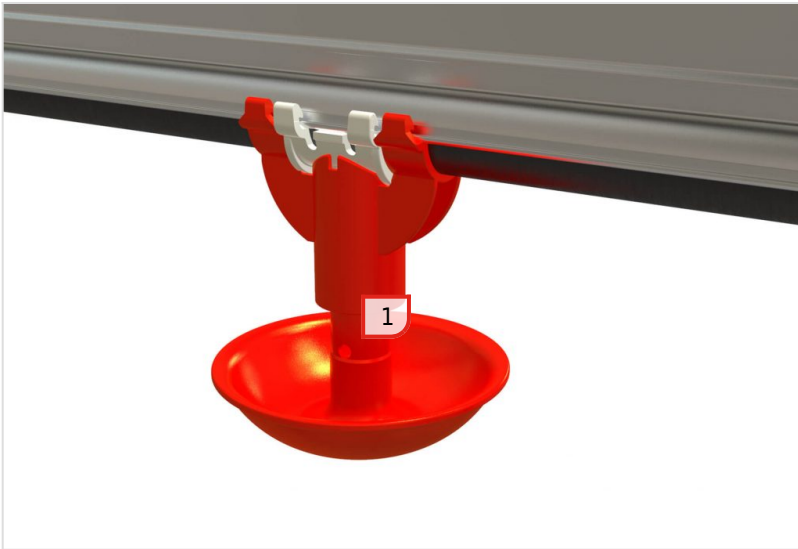
3 Nylon cords and adjusters

3 mm or 5 mm nylon cords are used to suspend the drinking line. Cord adjusters enable final height adjustment to allow for a perfectly leveled line



4 Suspension clips

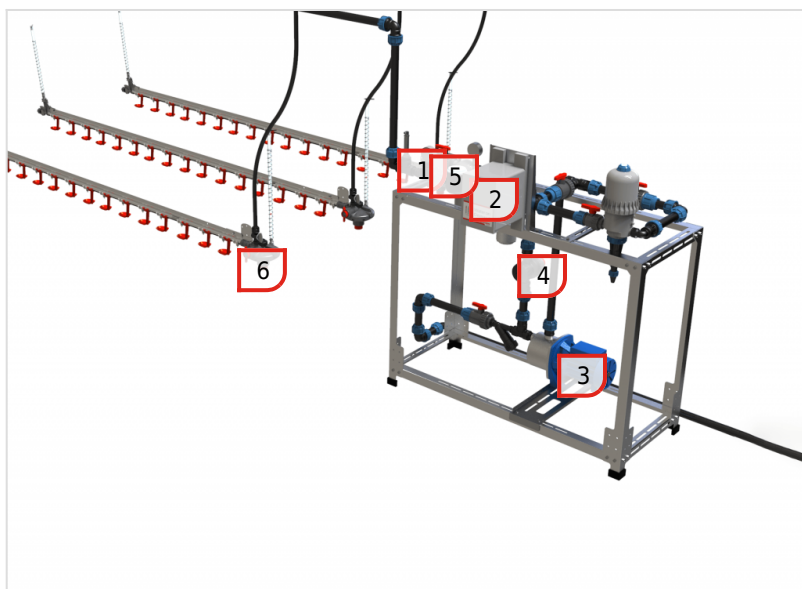
Black plastic clips grip the aluminum profile and serve as hanging points along the nipple line



OPTIONS & ADD-ONS

1 Super Easy Chick Start (SECS)

The SECS allows improved water availability for day-old chicks up to 10 days old. It allows the weak chicks to drink and thus improves their survival and the breeding results later on



WATER ON DEMAND (WOD) PRO

A central control point that enables precise management of water pressure in all drinking lines according to birds' changing demands, both during a daily 24-hour cycle and throughout the entire grow-out period. WOD Pro connects to the hen house controller. It's also available with a dedicated stand-alone controller (WOD PRO stand-alone) or in a wireless version (WOD PRO Wireless) controlled by an App on your smart phone.



1 Pressure transmitter

Constantly measures the changing pressure in the nipple drinking system and transmits the data to the frequency converter

2 Frequency converter

adjusts speed of the pump based on input received from the pressure transmitter

3 Variable speed pump

Adjusts the variable speed pump's RPM based on data sent from the pressure transmitter so that the required pressure in drinking lines is maintained



4 Universal pressure regulator (UPR)

A house regulator made of durable plastic. Reduces the facility water supply to 0.5 bar, which serves as the drinking system's minimum pressure during the flock's first stage of growth



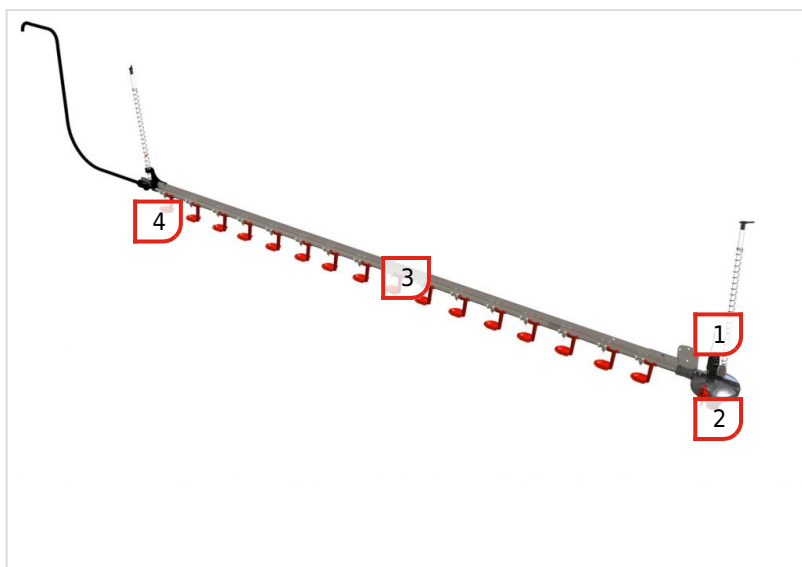
5 Pressure gauge

indicates overall pressure in the system



6 WOD reducer

Plasson's patented pressure reducer lowers incoming pressure by a fixed ratio. All reducers in the house receive water at the same pressure, thus the outgoing pressure from all reducers is exactly the same. Reducers are also available in mid-line and split-line configurations



AUTOMATIC FLUSHING - WIRED / FLUSH CONTROL - WIRED AUTOMATIC FLUSHING

Allows for the planning and managing of drinking line flushing. Pre-programmed flushing plans are based on climate conditions, water quality, water treatment compounds and medications added to the water, birds' growth stage, and more. The flushing system is integrated into Plasson's new MK2 regulator series.



1 Flush Command

The flush command is sent from the house controller or a dedicated flushing controller to each line head regulator via wired communication



2 Flushing valve

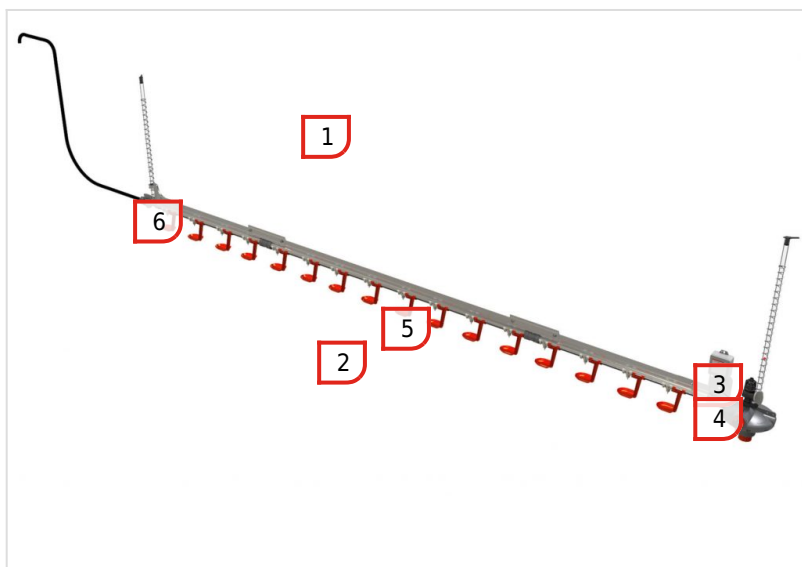
A flush valve kit with an electric valve embedded in the regulator acts as a bypass which allows high-pressure water to be directed to the drinking line

3 Drinking line

High pressure water flowing from the line head regulator to the line end ensures the drinking line is entirely free of debris. Recommended flushing pressure is 1.5-2.0 bar

4 Line end

The line end valve remains open at all times to allow for water to be flushed outside the house. A 1/2" flex tube is raised above the top of the pressure indicator before it exits the house, guaranteeing water does not flow out of the drinking line during normal working pressure (10-60 cm water head)



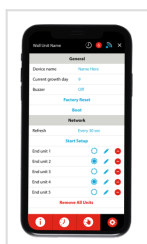
AUTOMATIC FLUSHING - WIRED / FLUSH CONTROL - FLUSH CONTROL - WIRELESS AUTOMATIC FLUSHING

A wireless solution for applying automatic flushing. Drinking lines are pre-programmed to flush periodically based on factors such as climate condition, water quality, added water treatment compounds and medications, birds' growth stage, and more...



1 Wall unit

All data, flushing programs, and system properties are saved to the wall unit. The wall unit uses Bluetooth communication to transmit data to the regulator unit



2 Plasson Flush Control App

Programming and managing of line flushing is done via a smartphone application ("Plasson Flush Control"), available for both Apple and Android devices



3 Regulator unit

Attached to the line head regulator. Includes a Bluetooth communication card and a long-lasting Lithium battery that is wired to the electric valve. Opening and closing of the electric valve is done by the battery, and thus no wires and no wiring to a power supply is needed



4 Flushing valve

A flush valve kit with an electric valve embedded in the regulator acts as a bypass which allows high-pressure water to be directed to the drinking line

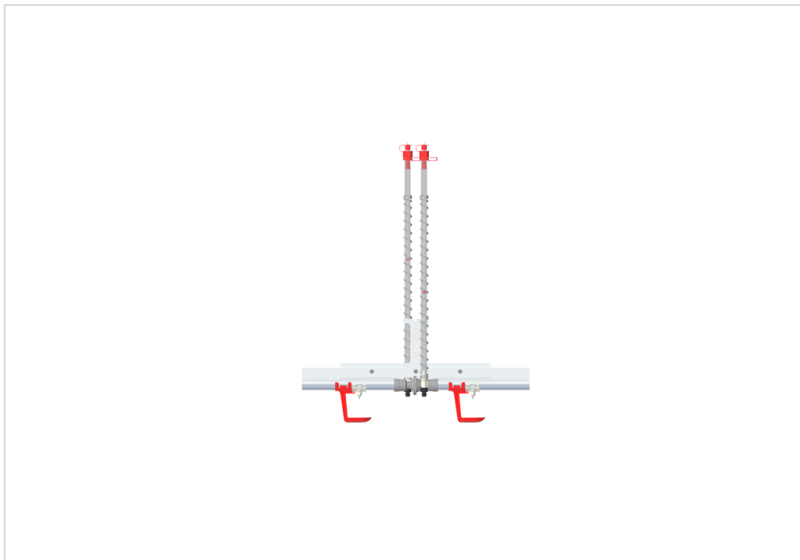
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6 Modular Line end

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SLOPE REGULATOR

PLASSON slope regulators break the pressure build-up in nipple lines caused by sloped floors/

- Maintain the required pressure along the nipple line
- Robust design
- Innovative Bayonet connection for easy installation and maintenance
- No need for a by-pass during flushing
- Available for pressure breaks of 10cm, 15cm and 30cm