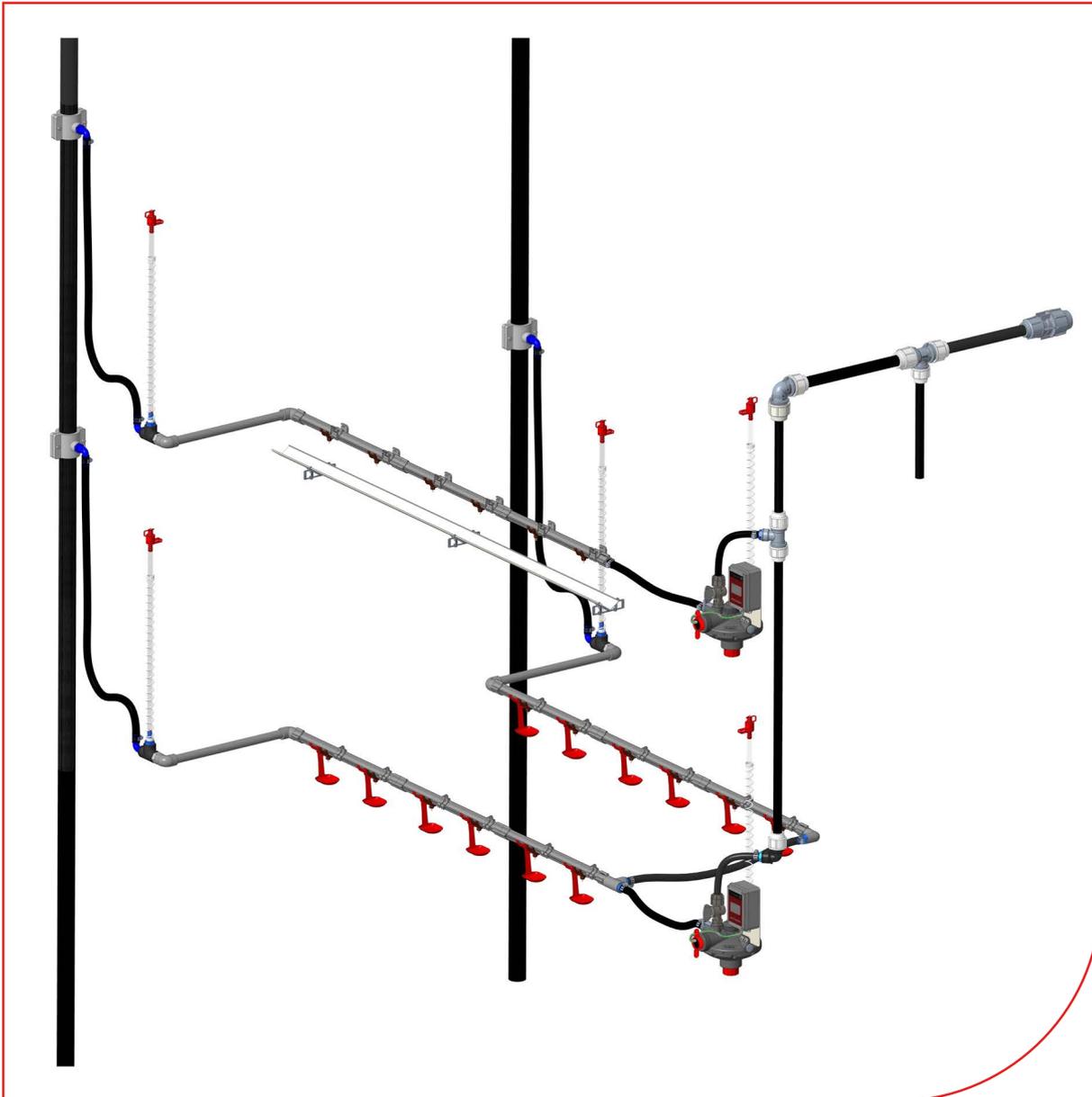




## Drinking Systems for Commercial Layers



### **Hen health depends on access to clean, consistent water supply.**

Water is the most important nutrient we supply to our flocks. Rearing healthy hens starts with providing a clean, consistent water supply. PLASSON Livestock drinking systems for Commercial layers combine precise water supply control with robust drinkers to support welfare, reduce daily labor, and sustain long-term flock performance.

# Drinking Systems for Commercial Layers

PLASSON Livestock offers a full range drinking solutions for commercial layers

## Layer Nipples

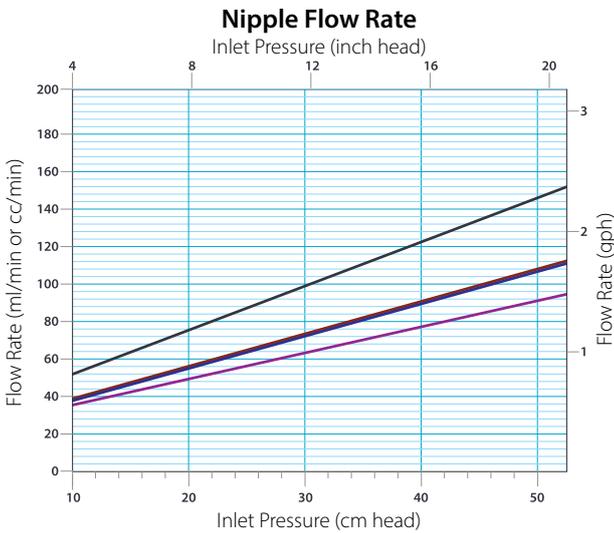
Reliable, PLASSON-grade nipples designed for layers, with flow and actuation options to match rearing practices and stocking density. Layer nipples include threaded nipples for square piping and PLASSON standard Nipples for Plasspipe.

### Proven sealing and testing- PLASSON standard nipples

PLASSON's double-sealing design delivers tight shut-off without restricting flow. Every nipple is assembled and individually tested on a computerized rig for reliable, long-lasting performance.

### Layer Nipple Actuation and Flow rate options

See figures below to match the nipple type to management practices, cage layout, stocking density, and climate.



### Nipples for commercial layers

1. Dark Grey Nipple
2. Brown Nipple
3. Dark Blue Nipple
4. Violet Nipple

**Dark Gray Nipple**

High flow rate



Vertical action



**Brown Nipple**

Medium flow rate



Vertical action



**Dark Blue Nipple**

Medium flow rate



Side action



**Violet Nipple**

Low flow rate



Side action



**Threaded Dark Grey Nipple**

High flow rate



Vertical action



**Threaded Brown Nipple**

Medium flow rate



Vertical action



**Threaded Dark Blue Nipple**

Medium flow rate



Side action



**Threaded Violet Nipple**

Medium flow rate



Side action





## PlassPipe Drinking Tube

- External profile designed to fit all PLASSON nipples.
- Round inner profile reduces pressure loss, ensuring consistent water flow from first to last nipple.
- Snap-off bayonet couplings for simple cleaning and maintenance.
- Expansion couplings maintain pipe integrity under temperature fluctuations.
- Durable couplings guarantee secure sealing.
- Fully compatible with PLASSON's water management systems – **WOD Pro** and **Auto Flush Control**.



## Anti Perch Systems

PLASSON **Electrified Anti Perch** prevents birds from perching on Nipple lines, preventing damage to the equipment.

The **Non Electrified Anti Perch** System complies with the global welfare approach by preventing birds from perching on nipple lines without using electricity.

The system presents a cost effective solution which can be easily installed on new or existing nipple lines.

**Anti Perch Spinner:** The spinning anti perch solution from PLASSON can be easily installed on new or existing Nipples lines, and has been found to be more effective than cable systems for protecting drinking lines from perching.



# Water Management

## Water Control Panel

Drinking water is **metered, filtered, medicated, and pressure regulated** at The Water Control Panel, before it reaches the drinking lines. Central control protects the drinking system, supports consistent supply, and makes routine monitoring simple and doable.

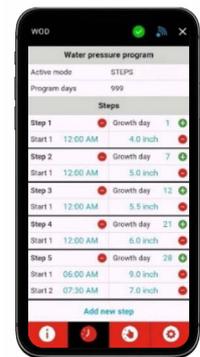
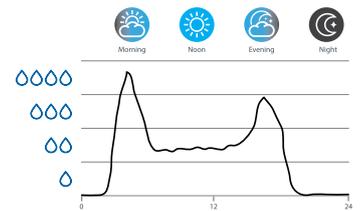


## WOD Pro

WOD Pro stabilizes pressure and water supply between tiers and along the drinking lines so that every nipple in every cage performs as planned, overcoming piping challenges and height differences between the cages. The system is specifically designed to deal with demand peaks caused by routine management practices, alleviating stress reactions and promoting physiological welfare.

- **Uniform supply:** Balanced pressure and flow for uniform nipple action and water supply along rows and between tiers.
- **Smart profiles:** Set low-demand, peak-demand, and service modes to match management practice, drinking behavior throughout the day and between seasons.
- **Smart flow control:** Calibrated low-demand settings (flow reduction) help minimize excess nipple dripping without restricting access.
- **Simple user interface:** Clear controls (and optional app connectivity) make daily monitoring quick and simple.
- **Easy to install:** Suitable for new builds or retrofits; works with suspended or fixed-to-cage lines.
- **Easy and effective operations:** Automatic pressure control between the tiers reduces manual labor (pressure calibration), ensuring consistent and accurate water supply.
- **Control options:** WOD Pro integrates with compatible house controllers. WOD Wireless enables WOD control via a smartphone app, replacing the house controller interface.

**Water on Demand** PRO  
Precise Day Round Water Consumption





## Automatic Flush Control

Automatic Flush Control keeps lines clean with programmable cycles, reducing residue build-up.

- **Programmed cycles:** Flush by line, row, or tier to keep water fresh day and night.
- **Cleaner lines:** Supports consistent nipple performance and reduces clogging risk and biofilm buildup along the drinking line.
- **Labor saving:** Automates routine flushing between tiers, enabling improved water system hygiene management, with no manual labor.
- **Effective drainage:** Paired to PLASSON line-end drainage points for quick, tidy flushes.
- **Medicator interface:** Unique dedicated software for medication and additives delivery via the drinking system.
- **Welfare support:** Helps standardize routines for animal-welfare / ABF programs with consistent, scheduled flushing.



Use **WOD Pro** and **Automatic Flush** together for a simple, sustainable, and automated, routine: set pressure profiles for the day, then automate short, scheduled line flushes to maintain water quality and equipment efficacy.

Fully compatible with PLASSON's PlassPipe round-profile lines, Nipples, and fittings, delivering a complete commercial layer drinking system from control panel to drinker.

**FLUSHCONTROL**

# Piping, Couplers and Mounting

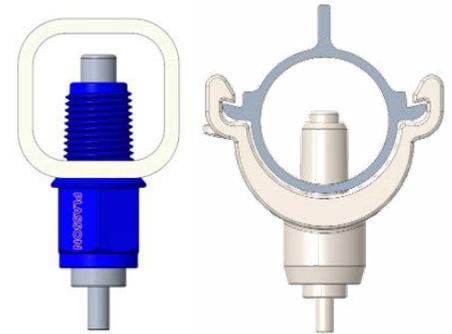
## Square piping

Easy to install, 22 mm square piping, compatible with the full range of PLASSON threaded Nipples, WOD and Auto Flushing.

## PlassPipe

Round, Nipple profile PVC drinking line for commercial layers.

- Fully compatible with PLASSON standard Nipples made from robust, chemical-resistant materials that help maintain uniform flow over time.
- 25% larger surface area and 40% less pressure loss than square piping
- Improved distribution of water pressure along the nipple line
- Reduces water flow variation between the nipples along the drinking line.
- Effective flushing that helps limit biofilm build-up in the pipe, keeping drinking water fresh and clean promoting flock health.
- Strong pipe structure with robust, sealed pipe unions for system longevity and reliability.



## Couplers & Line Ends

Wide range of couplers to match cage design and management practices.

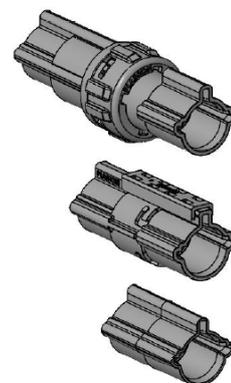
- **Bayonet couplers:** Fast assembly and easy section replacement.
- **Cemented couplers:** Permanent, robust, sealed couplers for long, straight runs.
- **Expansion couplers:** Allow pipe expansion and contraction during daily or seasonal temperature fluctuations, preventing warped lines and water Clamps, tees, elbows, reducers: A complete set of couplers for compact manifolds and precise connection of nipple lines to main supply and drainage lines.
- **End assemblies with drainage:** Modular, effective, and simple line drainage for scheduled auto-flush cycles.



## Couplers & Line Ends

A wide range of couplers to match cage design and management practices.

- **Bayonet couplers:** Fast assembly and easy section replacement.
- **Cemented couplers:** Permanent, robust, sealed couplers for long, straight runs.
- **Expansion couplers:** Allow pipe expansion and contraction during daily or seasonal temperature fluctuations, preventing warped lines and water damage.
- **Clamps, tees, elbows, reducers:** A complete set of couplers for compact manifolds and precise connection of nipple lines to main supply and drainage lines.
- **End assemblies with drainage:** Modular, effective, and simple line drainage for scheduled auto-flush cycles.

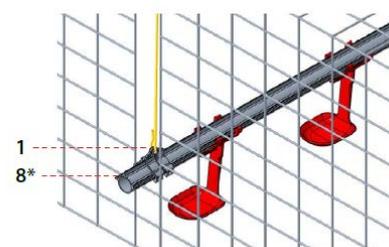


## Mounting - Suspended or Fixed-to-Cage

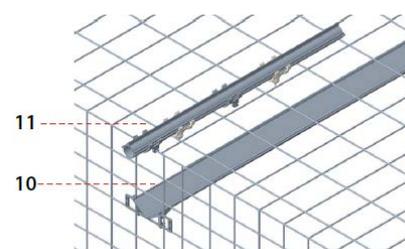
Mounting configurations designed to match house design and service routine.

- **Suspended lines:** For pullets or all-in all-out management, with Nipple lines suspended above the cage ceiling for clear walkways and easy leveling and height adjustment.
- **Fixed-to-cage clips:** Stable positioning with quick clip-on/clip-off access for service.
- **Routing options:** Above or under-ceiling runs with neat pass-throughs at cross-aisles.
- **Service-friendly:** Clear access to line head units, regulators, and line-end assemblies.

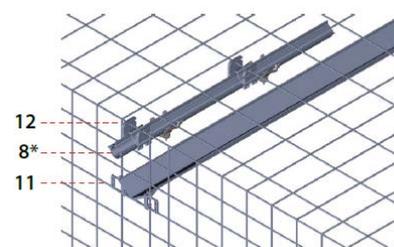
**Suspended**



**Fixed above the cage ceiling**



**Fixed under the cage ceiling**



## About PLASSON Livestock

PLASSON Livestock provides complete packages of equipment and systems for drinking, feeding, climate control, and housing in poultry and livestock operations worldwide.

As part of PLASSON Group, a global manufacturer and supplier of infrastructure and agriculture solutions, publicly listed on the Tel Aviv Stock Exchange since 1997, we bring over 60 years of innovation, reliability, and community commitment to more than 100 markets worldwide.

### What Sets Us Apart

- End-to-end quality – From product development and design to manufacturing, packaging, and delivery.
- Service – Professional support before, during, and after installation.
- Global footprint – 25+ subsidiaries and 2,000 employees serving customers in more than 100 markets.
- Local commitment – Strong ties to the communities where we live and operate.



Feeding



Drinking



Climate



Housing

Maagan Michael, D.N. Menashe, 3780500, Israel • Tel: +972-73-241300 • Fax: +972-73-2333711 • [info@plassonlivestock.com](mailto:info@plassonlivestock.com)

[WWW.PLASSONLIVESTOCK.COM](http://WWW.PLASSONLIVESTOCK.COM)