

## **Initial setup of Water on Demand system**

1. Make sure all pressure reducers in house are set the lowest pressure possible.
2. Make sure regulators on water on demand unit are also set at low pressure.
3. Set incoming water pressure to the water on demand unit at 45 P.S.I.
4. Set black and white regulator to **8 P.S.I. or 4 inches** of water column using pressure gauge located within the water on demand unit.
5. Now set all inline Plasson pressure reducers in the house to 4 inches column height.
6. Turn on 1st stage of water on demand and adjust brass regulator to **15-20 P.S.I or. 8 to 10 inches** of water column pressure as shown on the gauge.
7. Turn on 2nd stage of water on demand and adjust regulator **to 22-26 P.S.I. or 12-15 inches of water column pressure as shown** on the water on demand gauge.

### **Helpful hints:**

Switch from black and white regulator to level #1 of Water on Demand for primary source after 18 days of age. Then adjust pressure according to bird age and nipple manufacture's suggested pressure. Use the 2<sup>nd</sup> level for "boosting" purposes at this time for the remainder of the flock. Go back to black and white regulator only during dark-out period at this age, if so desired.

Black and white regulator can easily be adjusted for first days of flock and it will adjust all pressure breakers in the house.

Water on Demand boost should be started during dark out periods.

### **Programming suggestions for pressure "boost":**

- When lights come on
- Prior to lights going off
- During times of bird stress, such as walking through the chicken house, temperature swings or maintenance issues.

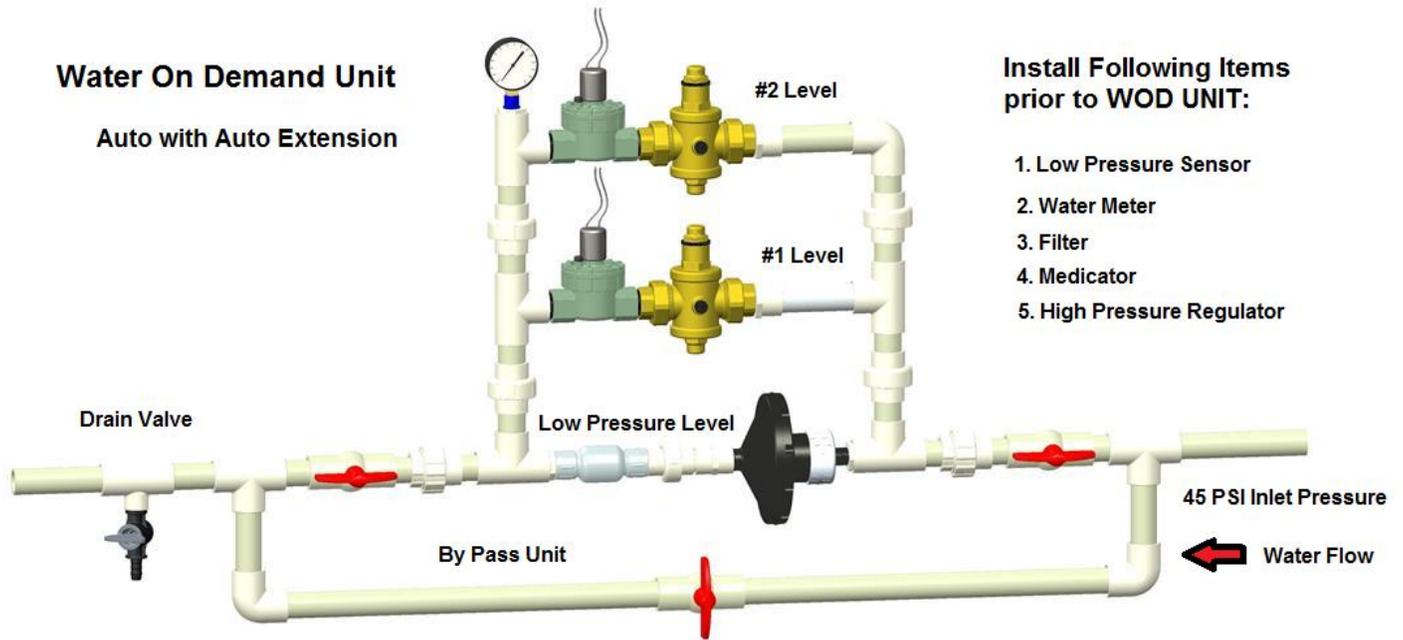
### **Boost timing:**

<b>Nipples</b>	<b>Summer</b>	<b>Winter</b>
Low flow nipples	1.5 - 3 hours	1 - 2 hours
High flow nipples with tray	1 – 3 hours	0.5 – 1.5 hours

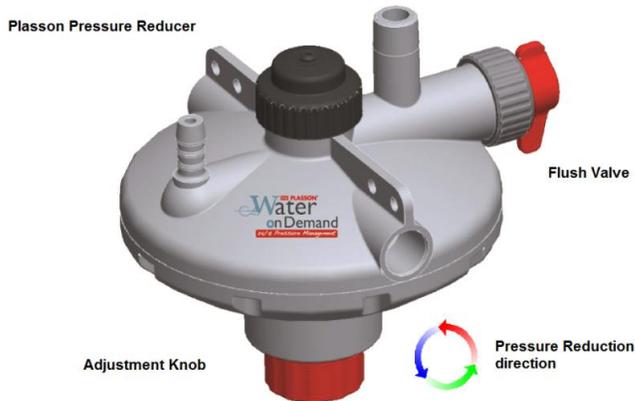
Always check water at the end of the line sight tube, this will ensure you have adequate water supply. This should be done when birds are drinking the most.

Do not adjust individual pressure reducers during heavy H<sub>2</sub>O consumption during the flock

# Plasson Water on Demand start-up



**\*Bypass unit and drain valve are not included in WOD unit**  
*They are recommended for emergency and high pressure flushing capability*



Scan code for Water on Demand Installation Instructions

## WOD reducer vibration prevention

1. Shut off the water supply to the Reducer.
2. Raise the line so the chickens cannot reach the nipples.
3. Drain the Nipple line through the Nipples to ensure there is no trapped pressure in the Nipple line.
4. Verify the adjustment knob of the Pressure Reducer is set to minimum pressure.



5. Open the Black Cap of the Reducer.
6. Release the M6 Bolt using an Allen key (#5) until it is loose enough to turn it by hand when holding the key stem.



7. Retighten the M6 bolt using an Allen key (#5) when holding the key stem.



8. Final tighten the M6 bolt by turning the Allen key another 1/2 turn.
9. Hand tighten the Black Cap as much as you can. .
10. Open the water supply to the reducer.
11. Lower the line to drinking height.
12. Check the pressure in the sight tube. If required perform a calibrating procedure of all the lines (See CALIBRATION step g in the WOD installation instructions).