



Installation Overview Standard Water on Demand



DIVERSIFIED

 **PLASSON**
Livestock



Keys to Installation

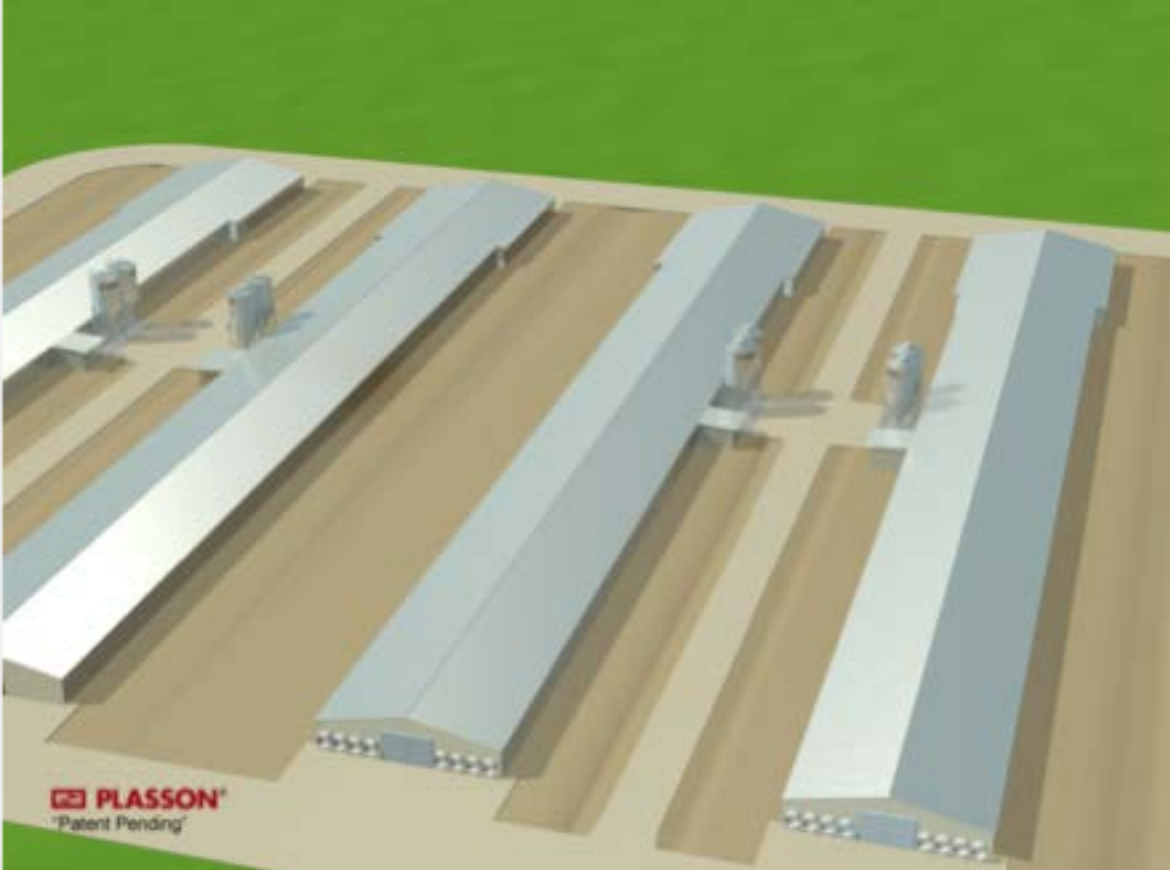
**Standard
Water on Demand Systems**



Installation

Follow installation procedures
included with each unit or found at
www.diversifiedag.com





Installation

Standard WOD System

Auto w/auto ext.





Follow all Instructions

Located in each unit...

Key to success...

Standard WOD System



Properly size the WOD units

WOD Standard = Up to 43,000 6 lb. birds

#22050WDBE as shown

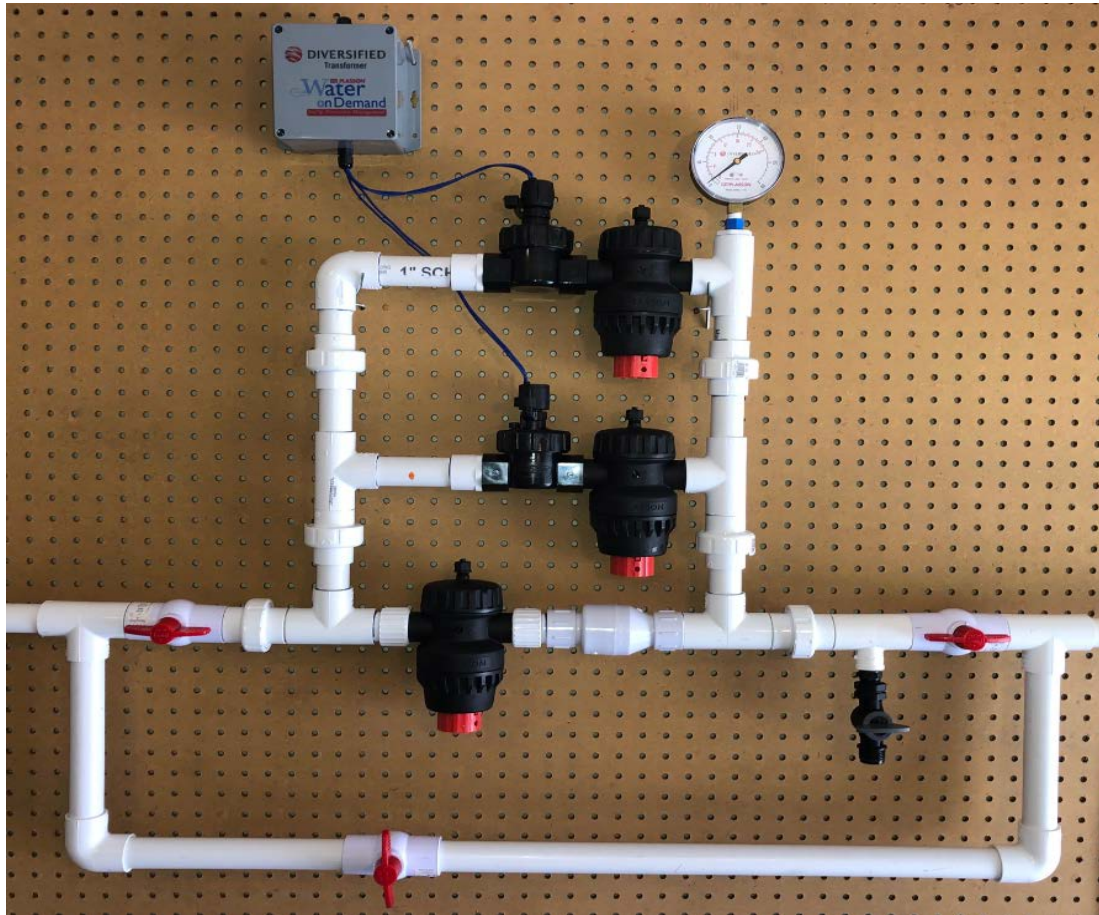
Key to success...

Standard WOD System

Key to success...

Standard WOD System

**Connect solenoids to Diversified
24-volt ac transformer**



**Wiring instructions inside box*

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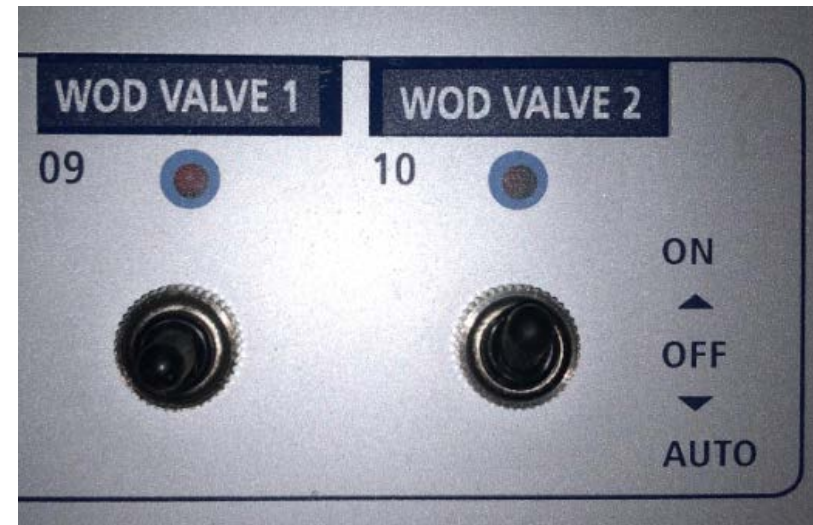
Connect transformer to relay switches.

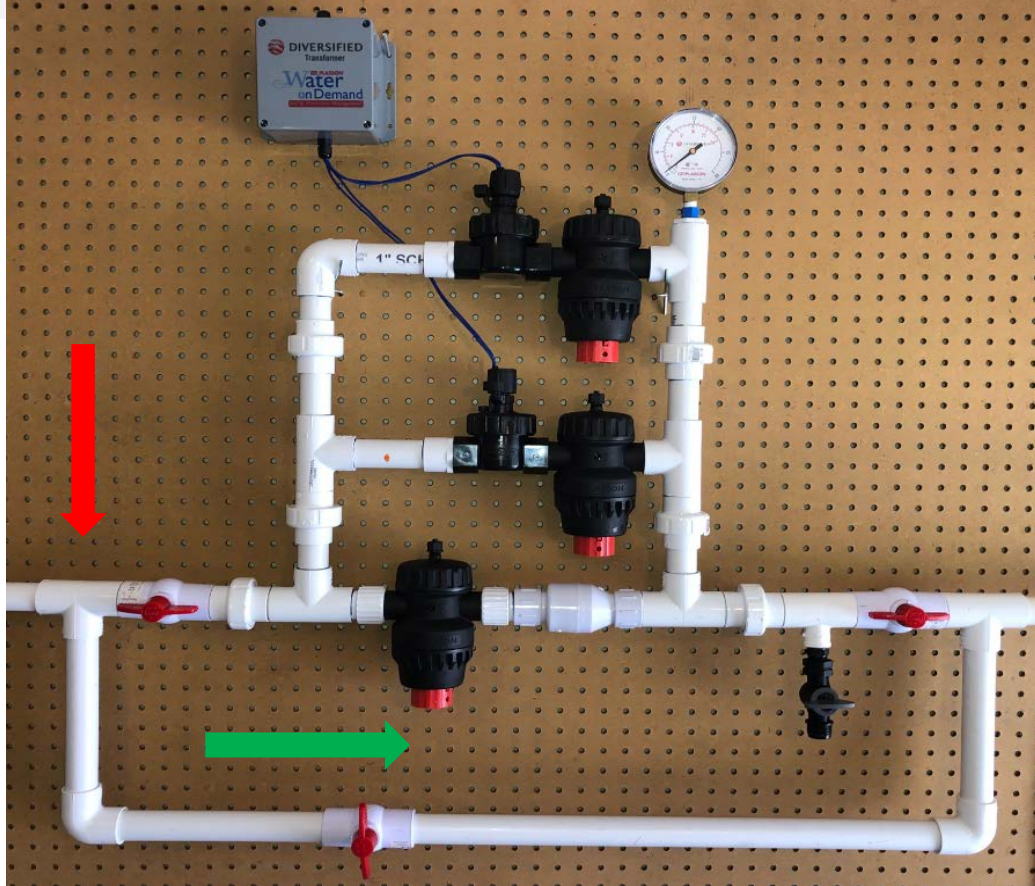
Then set a Program...



Key to success...

Standard WOD System





Install Bypass line.

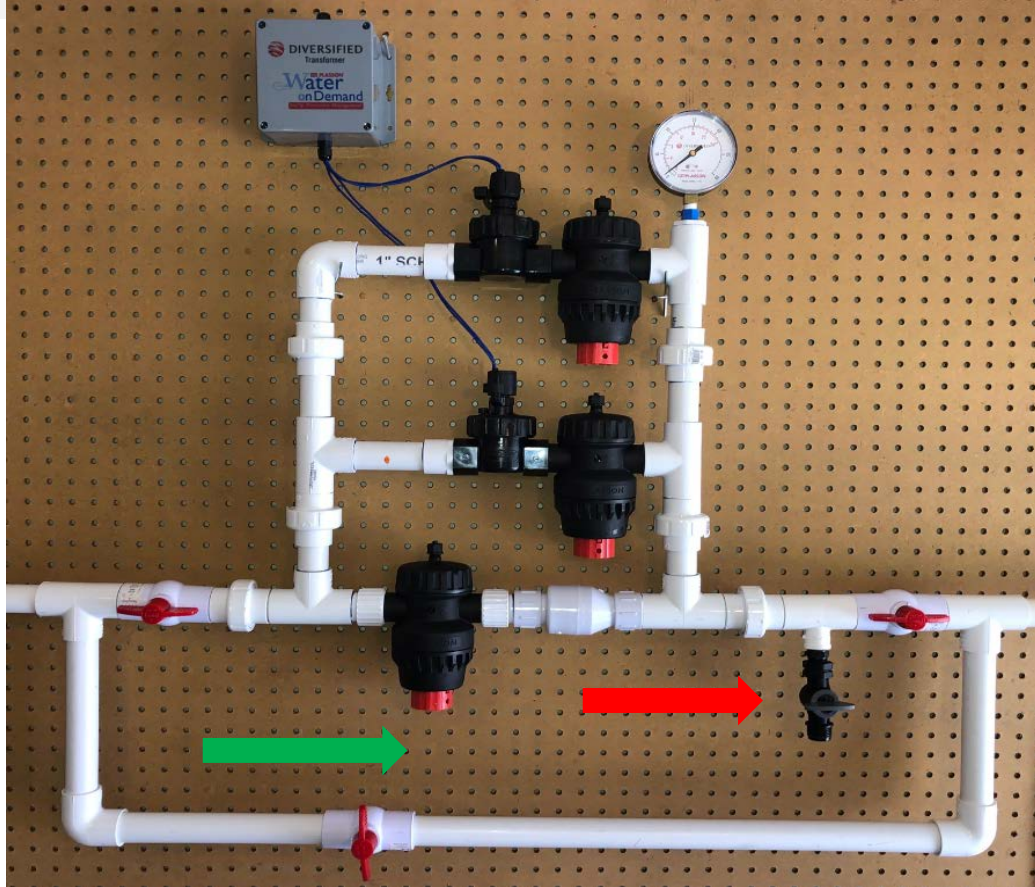
#22050WDBYP bypass line

Key to success...

Standard WOD System

= Water flow direction

= Bypass Line



Install Bypass line.

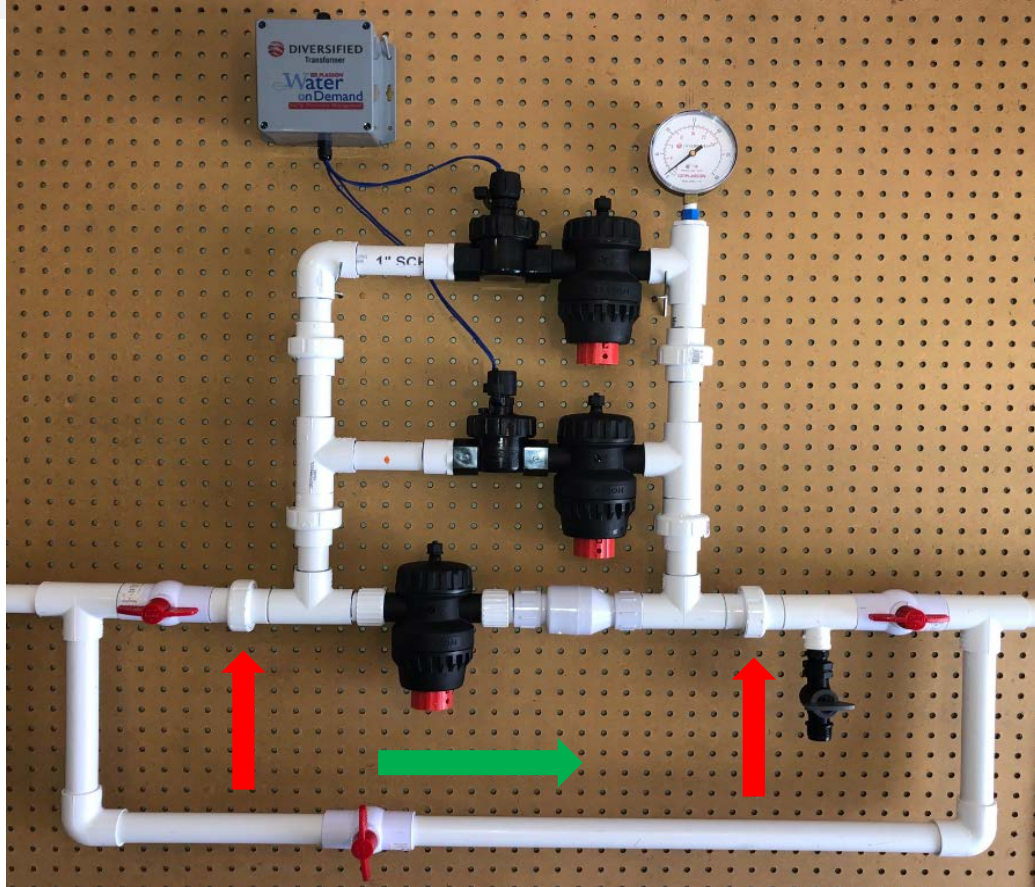
****With Drain Valve***

Key to success...

Standard WOD System

= Water flow direction

= PVC Drain Valve



Install Bypass line.

****With PVC Unions***

Key to success...

Standard WOD System

= Water flow direction

= PVC Unions



***Install high capacity filter w/gauges
Prior to every WOD system***

Key to success...

Preferably 30 micron or better

Standard WOD System



In certain locations having poor water quality it is strongly recommended to install a pre-filter for sediment.

Suggest using 1" Spin-down flushable unit.

Key to success...

Standard WOD System

120-400 mesh preferable

**shown Arkal #72DF101 mesh 140 w/flush valve*



Install high capacity Medicator

Suggest Prior to Water on Demand system

**high pressure side*

Key to success...

Standard WOD System



Prior to Water on Demand system

Higher water pressure will allow more uniform injection from medicator

Also helps eliminate pressure fluctuations caused by low volume & low pressure

Key to success...

Standard WOD System

Part #71252802020P001 0.2-2%



If using injector type system

Install After WOD System

****low pressure side***

Key to success...

Standard WOD System

Tefen InjectRite #712536000000230
Arad Sonata low flow meter #73WMS01



Install Low water pressure alarm switch:

Must function properly at 5 psi.



Key to success...

Standard WOD System

*Install after WOD System



***Set Incoming water line pressure
at or above 40 psi***

Prior to WOD standard

Key to success...

Standard WOD System





Install Plasson UPR to maintain volume and constant water pressure prior to the WOD system

Key to success...

**High Volume-Universal
Pressure Regulator
UPR**



**Due to Increased use of
Copper Sulphate*

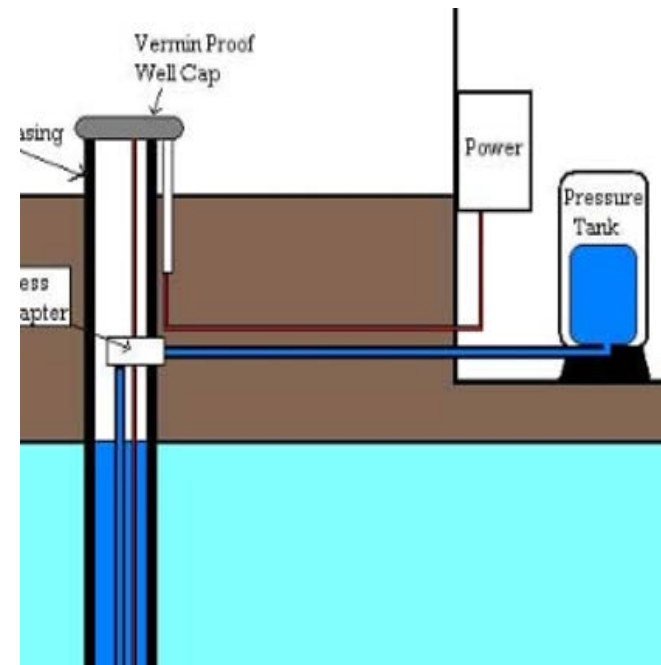


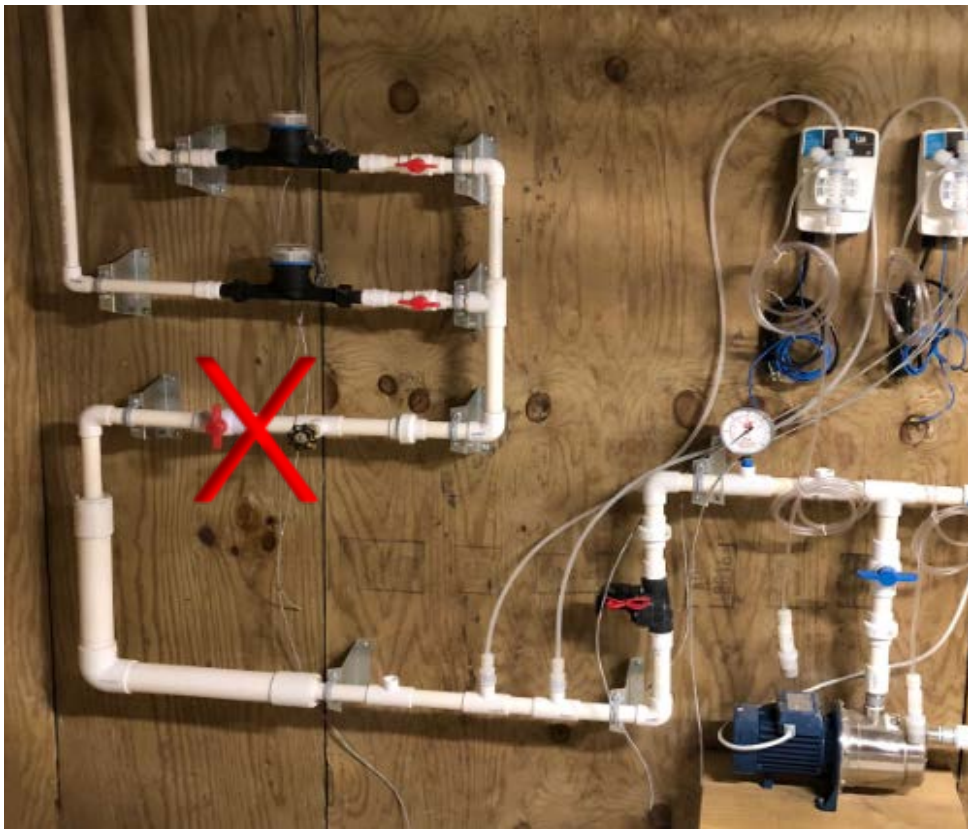
Using a UPR to control water pressure before the Standard WOD System will help prevent column pressure fluctuations between 1-4" in the barn.

Common with well systems having pressure tanks set with 20 psi variance

Key to success...

High Volume UPR



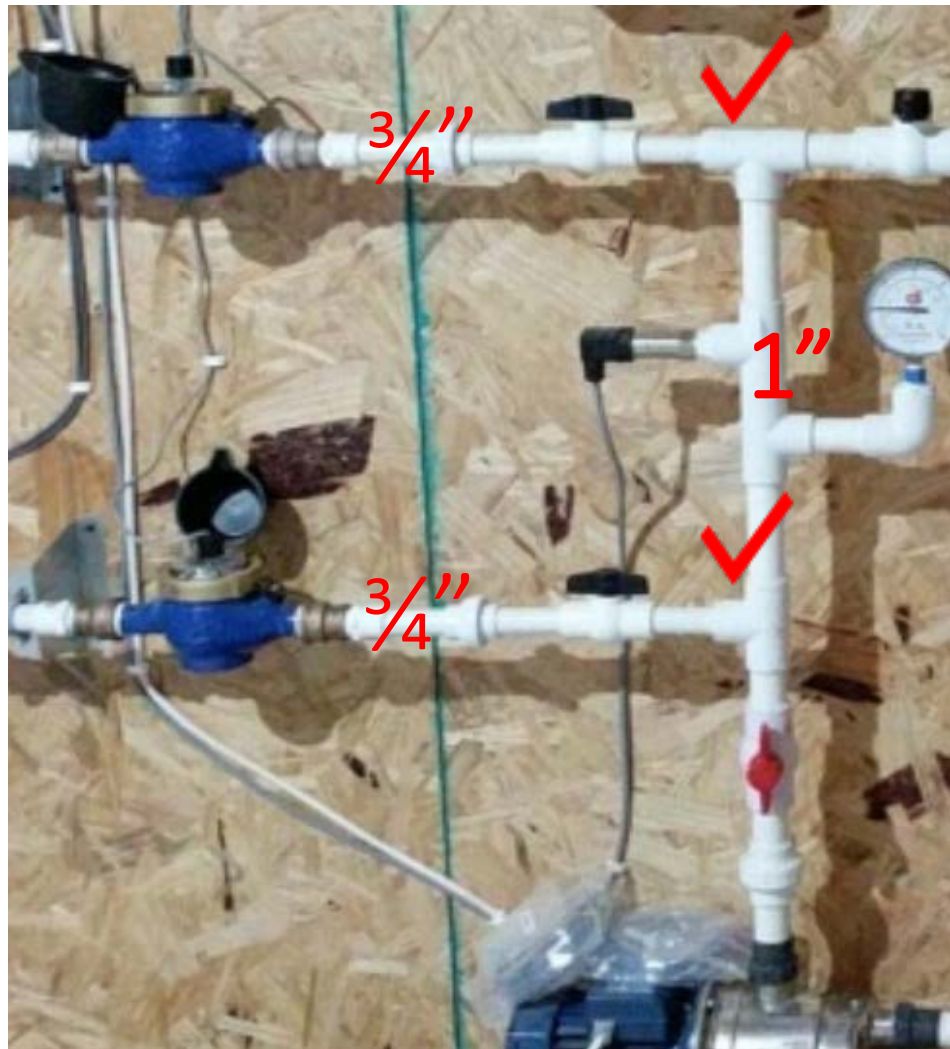


Do not reduce pipe size below 1"

Key to success...

Standard WOD Systems





Feed two - $\frac{3}{4}$ " lines from 1" pipe without reduction nor restrictions

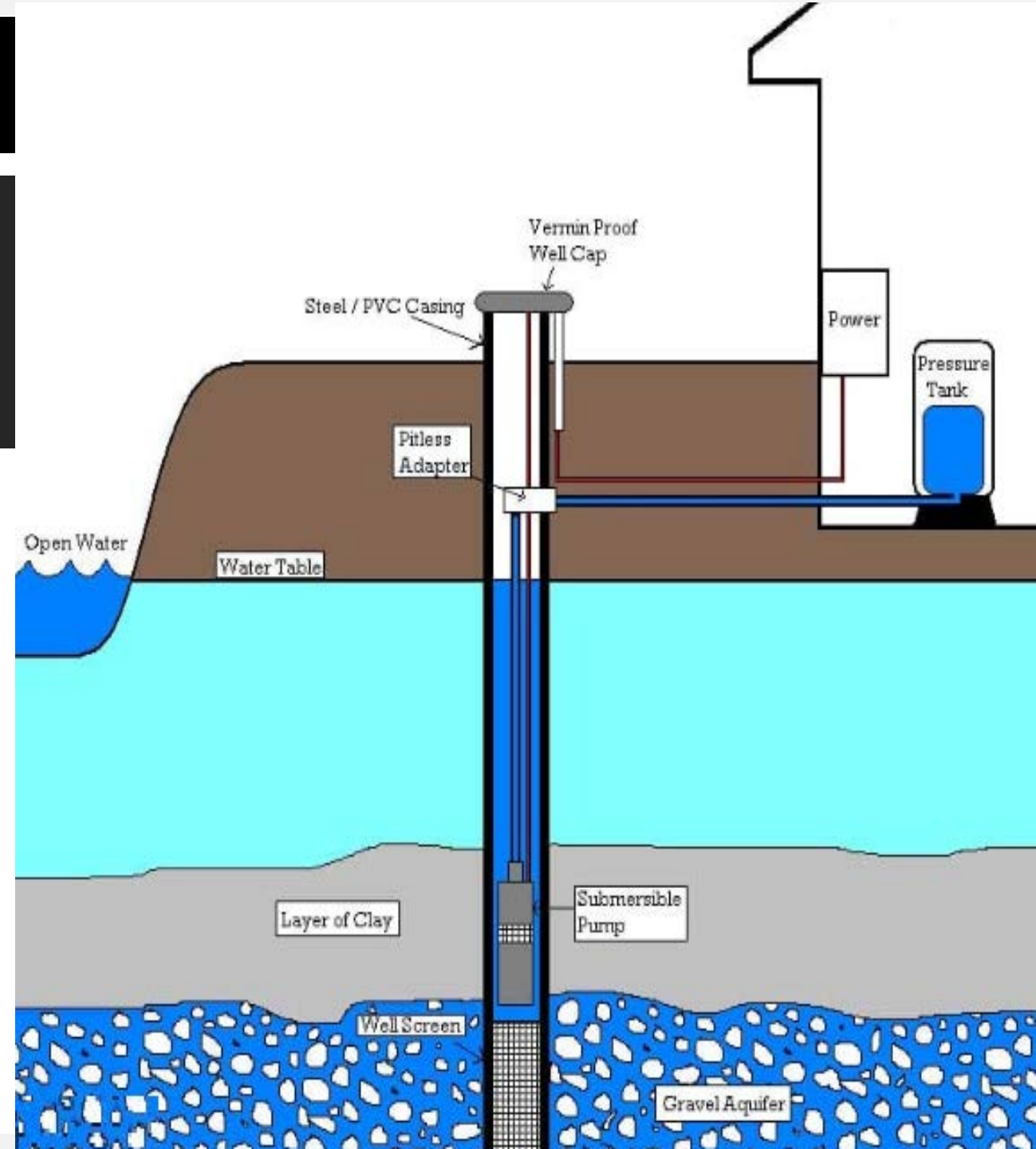


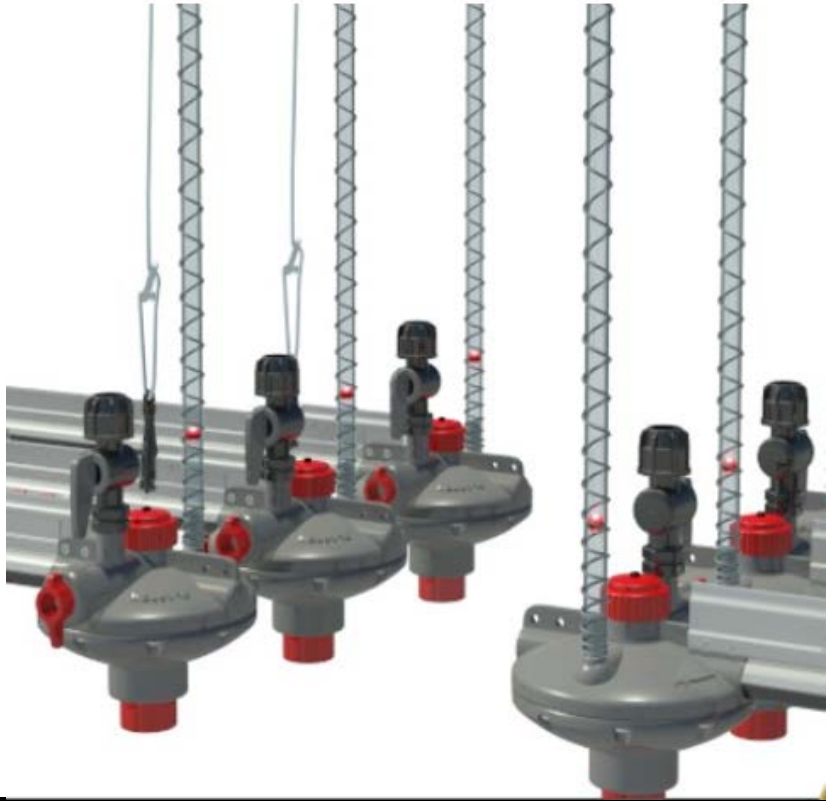
Key to success...

New Farm Construction

All new water service connections must be flushed prior to injecting water into nipple lines.

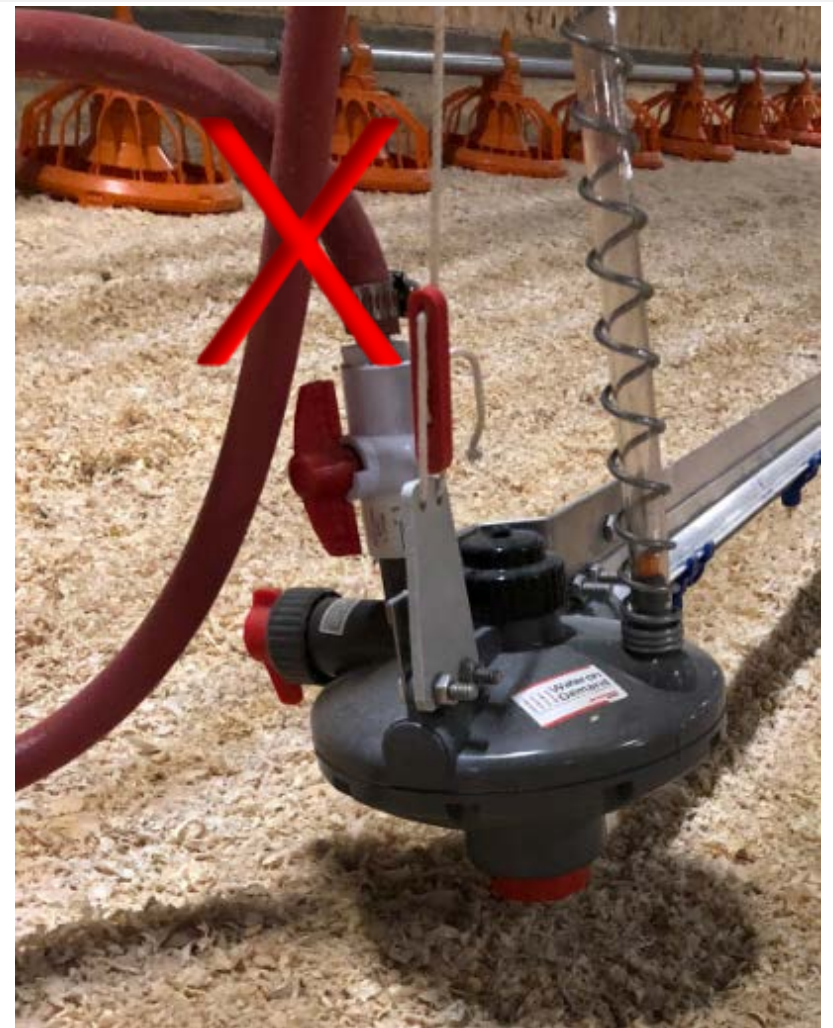
**All New wells should be flushed 24-48 hours!*

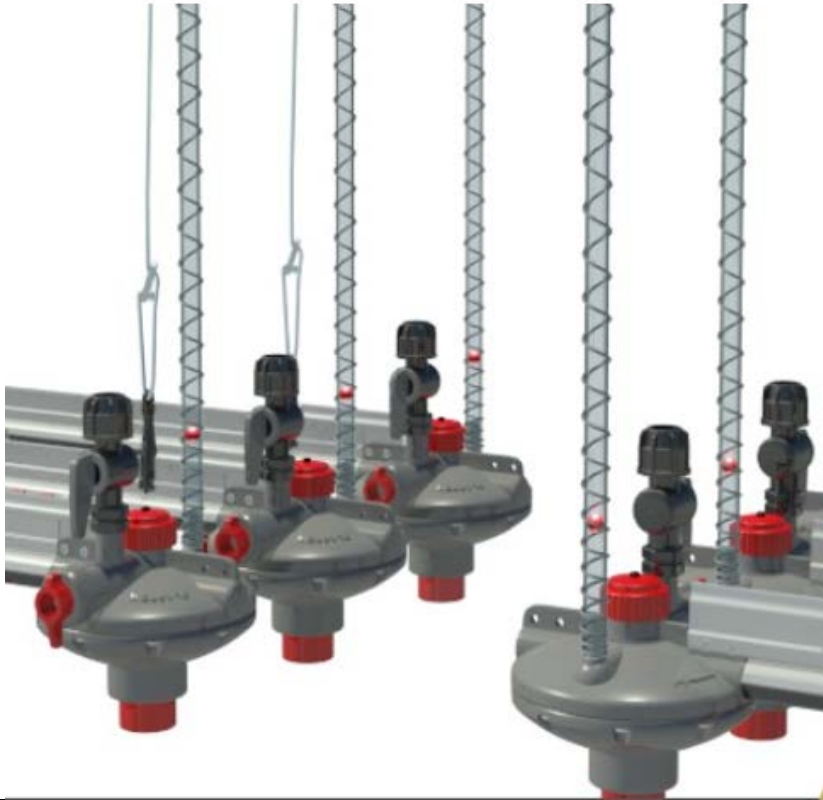




Start-up

Do not attach drop hose to pressure reducers until each hose has 5 gallons flushed into a bucket.

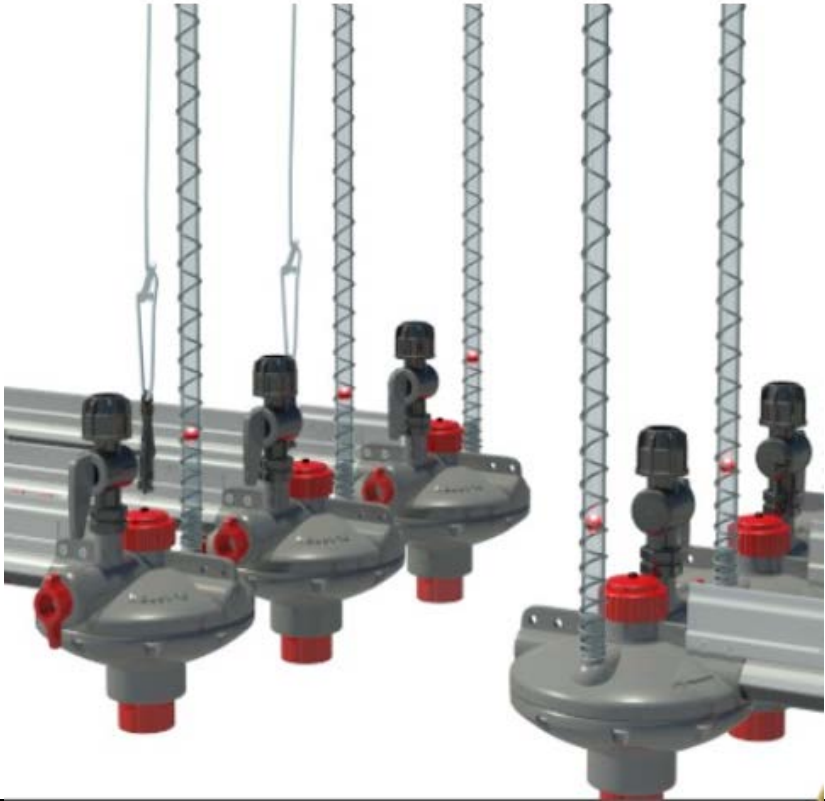




Start-up

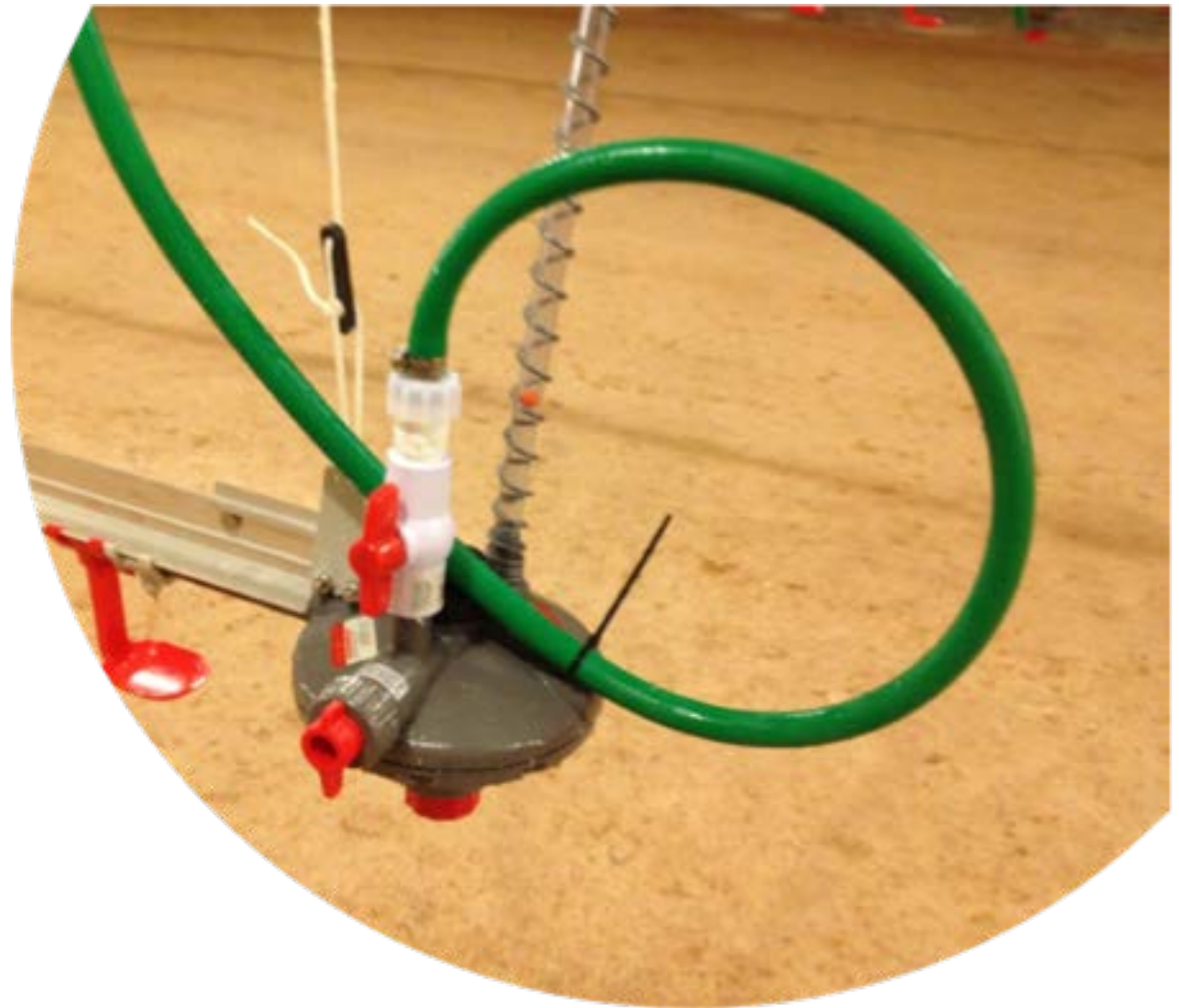
This simple flush procedure will save considerable time in the long run



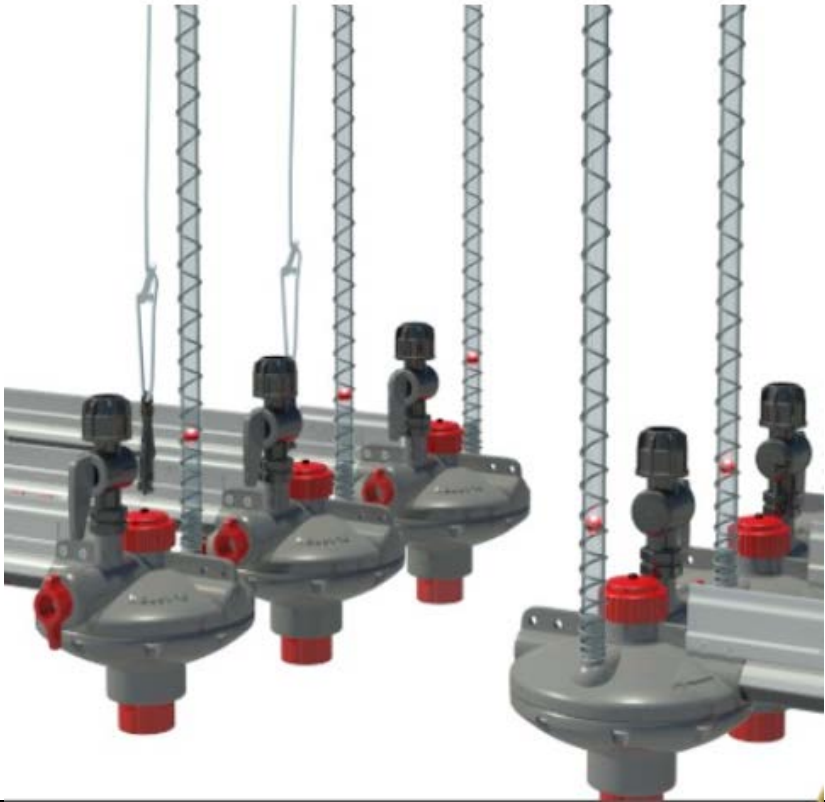


Start-up

Attach drop hoses



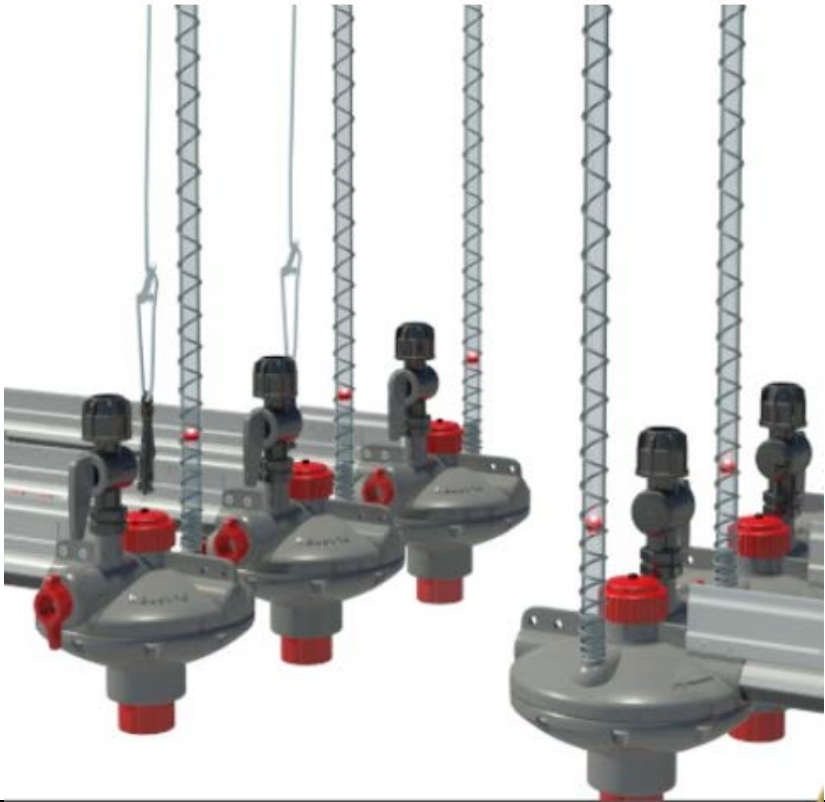
****Proper Garden Hose Loop***
Accounts for excess hose without binding



Start-up

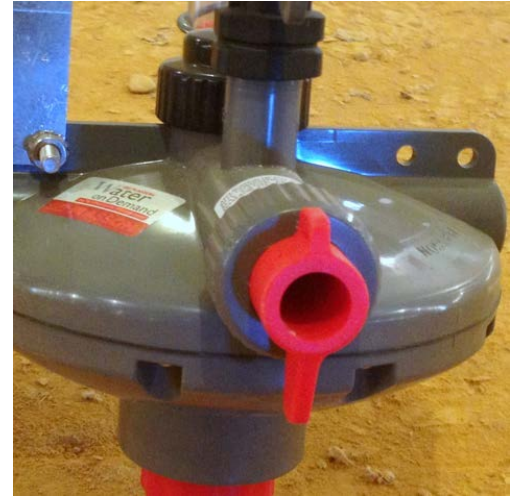
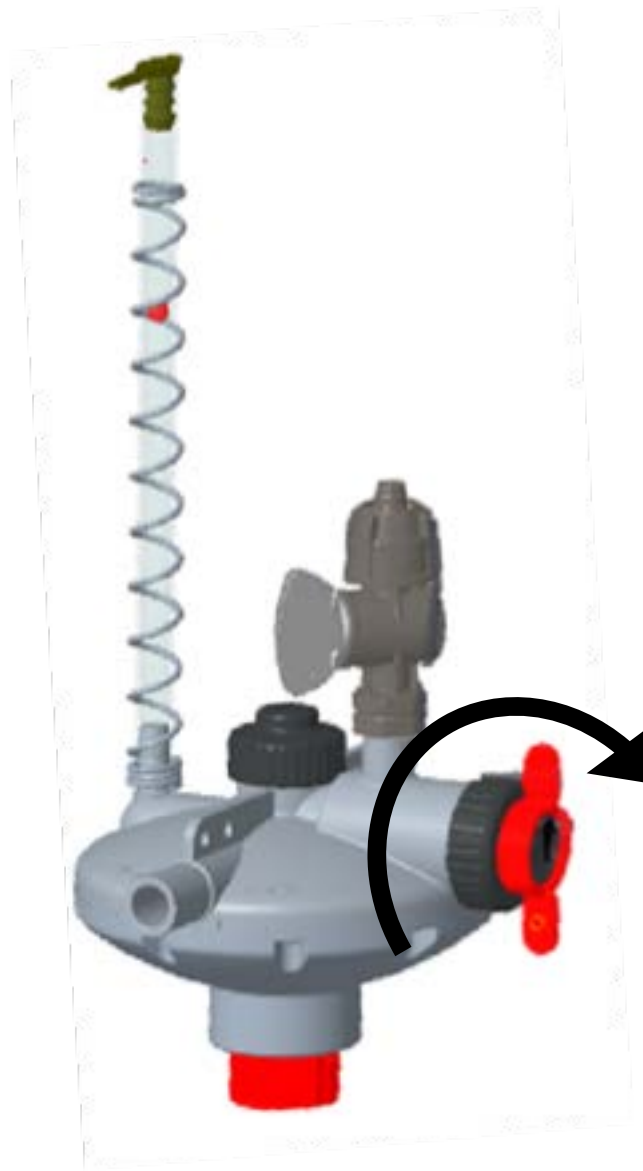
Turn all adjustment knobs
counterclockwise to lowest
pressure setting then add $\frac{1}{2}$ turn

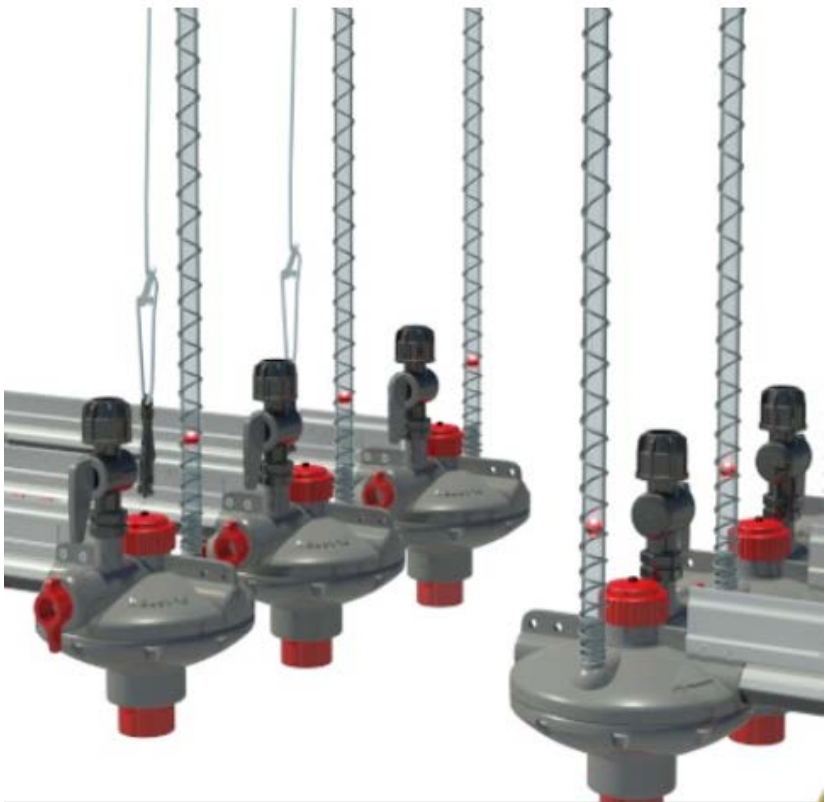




Start-up

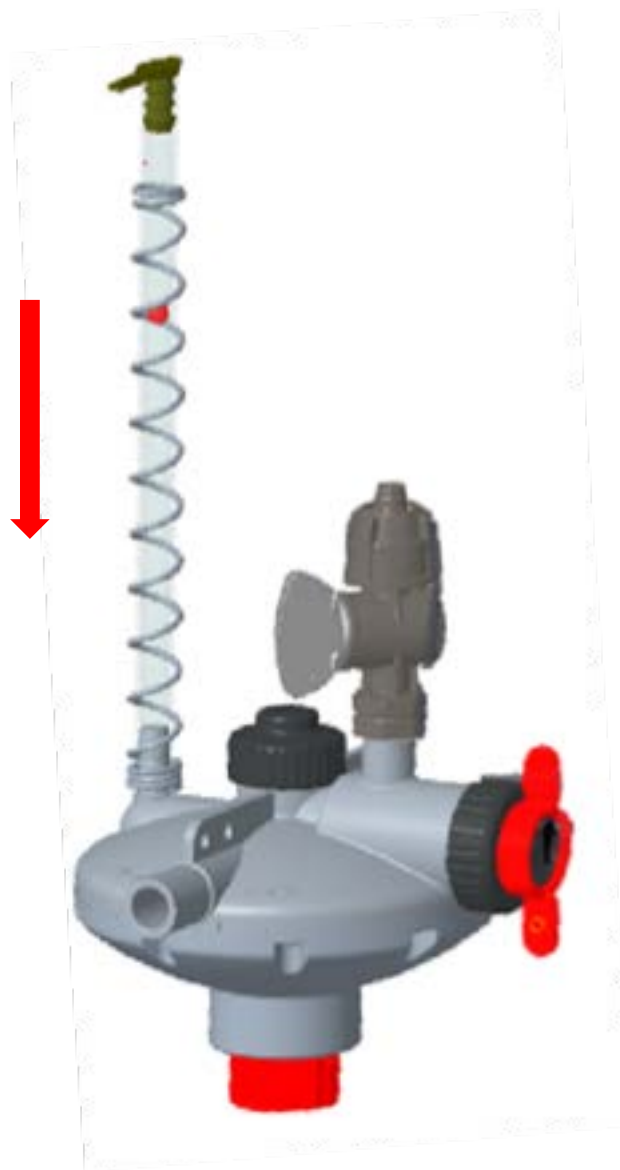
High Pressure Flush
each line





Start-up

Relieve water pressure
from each line





Set-up

Set incoming control
pressure 8 psi on low level





Bottom level
8 psi = 4"



Middle level
15 psi = 8"



Top level
25 psi = 14"



Pre-Set



Standard WOD



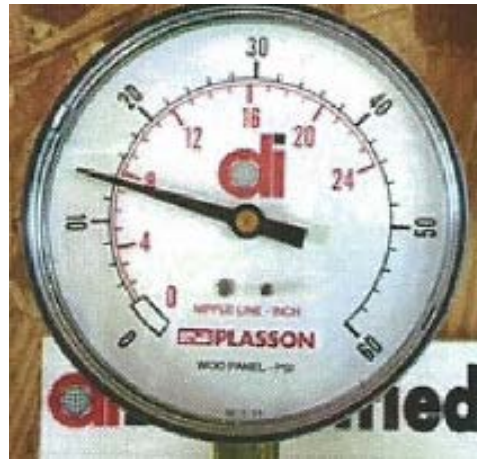


Bottom level
 * 8 psi = 4"



Pre-Set

Standard WOD



Middle level
 * 15 psi = 8"



Top level
 * 25 psi = 14"



***Follow integrators
 recommended
 pressure settings**





Caution

Pressure reducers within the house should never be adjusted after birds achieve 7 days of age or older.

Caution

**Control all column height adjustment
using the WOD control panel.**





Congratulations

Your Standard WOD System has
been installed properly...

Thank You



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