



Grower's Solution

Your Online Greenhouse & Nursery Supplier

1-931-528-3390



CSV2W Installation Instructions

Produced by Grower's Solution

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More information and tutorials are available at:

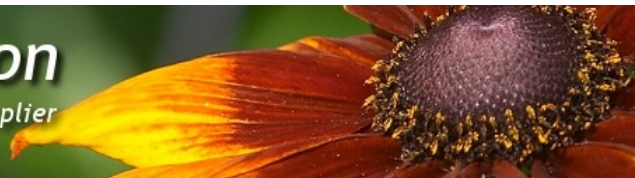
www.growerslearning.com



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CSV2W Installation Instructions

NOTE: Submersible motor manufacturers recommend using a flow inducer sleeve to be sure the motor is sufficiently cooled at low flows. Pressure differential across the valve cannot be more than 125 PSI.

Please read all instructions before installation.

- 1) Be sure that well has been pumped clean before any valve installations. It is also important that all lines including the pump be flushed clean of debris. Turn off power to pump and drain system.
 - 2) The valve must be installed on the pump side of the pressure tank/pressure switch and all water outlets downstream of the valve. Flow direction is indicated by the arrow on the valve itself. (Note: There cannot be any water outlets between the pump and the valve itself. If outlet lines exist between the well and the tank, the valve must be installed at the well head.)
 - 3) The pressure tank should be installed on a tee at a 90° angle to the main discharge line downstream of the of the CSV2. Pressure switch and other controls must be installed as close to tank as possible. Pressure switch should not be installed directly on the main line, but on the small line close to the tank. Pre-charge pressure in the tank should be 5-10 psi lower than pressure switch start point. (See drawing below for set up example)
 - 4) CYCLE STOP VALVE should be tightened using teflon tape on threaded ends. Four to seven wraps of teflon tape is usually sufficient. All connections should be water tight.
 - 5) Turn stem on CSV2W counterclockwise until it is loosened all the way out. Open a line downstream and turn on pump. Slowly close lines downstream until demand is approximately 6 to 8 GPM. The CSV2W is adjusted by turning the top bolt clockwise to increase downstream pressure and counter clockwise to decrease downstream pressure. Adjust the CSV2W until the pressure steadies at about 10 PSI higher than the desired pressure. Close off downstream water usage. The pressure tank will fill at approximately 5 GPM. When using a small tank (10 gallons or less of drawdown), set your cut in pressure the same as the valve pressure. When working with a tank with more than 10 gallons of drawdown, adjust your pressure switch to its highest setting. Next, set your pressure switch shut off by closing off all water outlets and timing the tank filling. Wait a minimum of 2 minutes and adjust your pressure switch until the pump is turned off.
- * Important: Pressure switch shut off point must always be higher than the pressure regulated by the CSV2W. Actual pressure switch settings depend on the size of the tank used and minimum run time needed. See reduced pressure fall off chart for specific pressure /flow information.

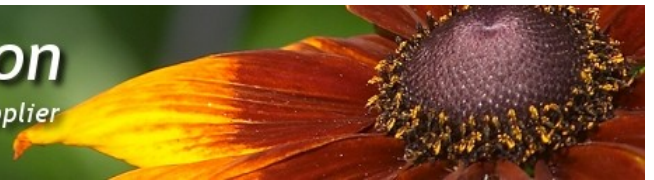
California Proposition 65 Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (Installer: California law requires that this warning be given to consumer.)



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- A) Pump
- B) Motor
- C) Check valve
- D) Cycle Stop Valve
- E) Pressure tank
- F) Pressure relief valve
- G) Pressure gauge

