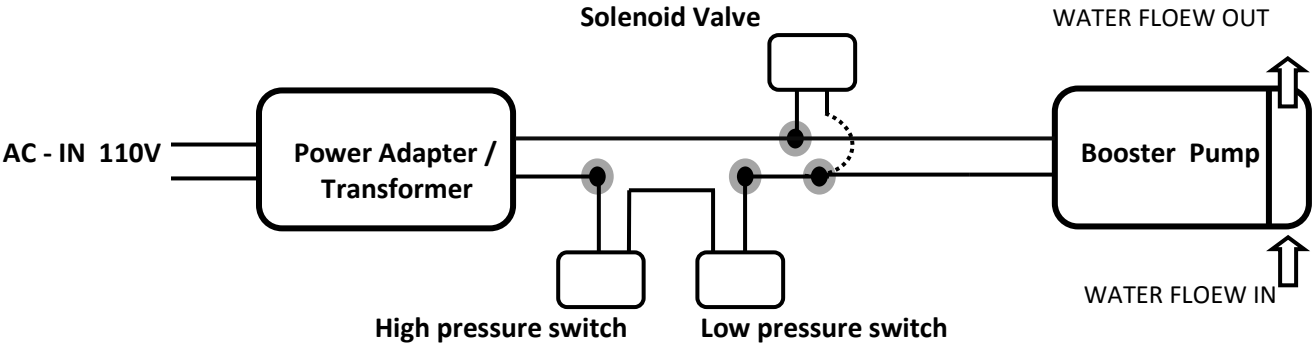
To avoid any cross thread problems, Make sure that the elbow seated straight inside the filter housing female port, as showing in the picture.

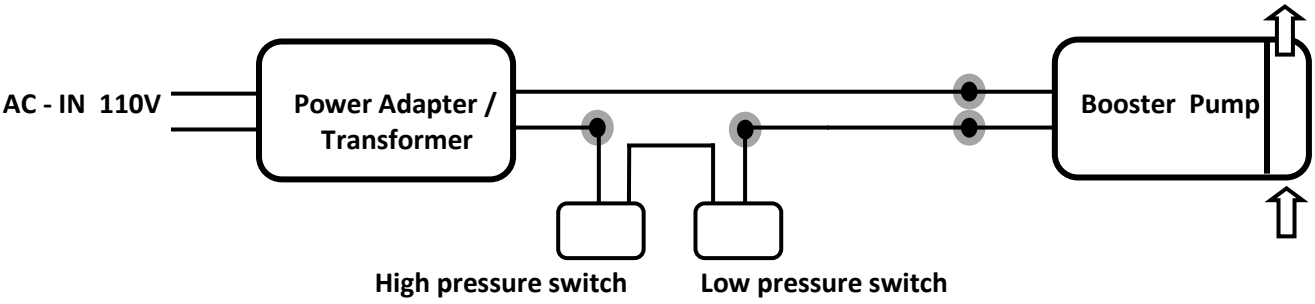
Screw on the elbow counter clockwise bout 5 to 6 rounds maximum (hand tighten only).

*** Over tightening will break the fitting or damage the threads & case leaking.**

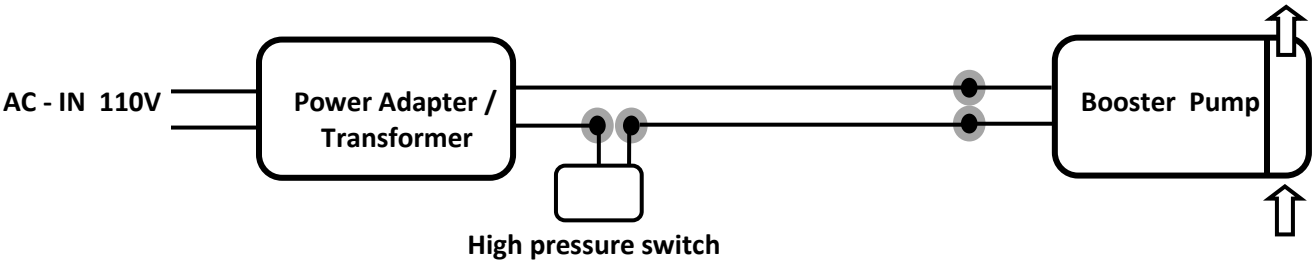
First setup / Reverse Osmosis Water System Flow Diagram -Setup up with Solenoid Valve + Low pressure switch + High pressure switch



Second setup / Reverse Osmosis Water System Flow Diagram- Setup with Low pressure switch + High pressure switch



Third setup / Reverse Osmosis Water System Flow Diagram - Setup with High pressure switch only



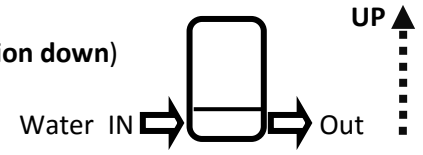
The High pressure switch has two 1/4" tubes OD access - Any direction flow is ok. High pressure switch is always on (Normally on) and turns off when the tank gets filled, or when the production line ball valve is turned off, when used with a tank-less reverse osmosis systems. It will turn on again when the water is used from the tank/production line after a certain amount of pressure drops.

The Low pressure switch (optional switch) Has one 1/4" tube OD access. This switch is Normally off, turns on with +/- 5 PSI incoming pressure. When the filter before the switch gets clogged with dirt, the switch will stay off if it's less than 5 PSI , so it protects the booster pump from getting damaged while working without water.

Solenoid Valve is normally off when there is no power (tank is full or no incoming water pressure). It gets warm when it is working.

The Booster Pump **will not work when you plug in the electricity**. You have to install the pump into your Reverse Osmosis system and **connect the water to your system and apply the proper pressure as well** (open the city water feed valve).

The Booster Pump is to be installed either **horizontally or vertically** (**vertical = head position down**) in order to protect the booster coil from getting damaged when the water spills.



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if you have don`t have access between 1st stage and the second stage housing follow these instruction between the third stage housing and the auto shut of valve before the 4th stage membrane housing.