

# PRESSURE SWITCH PRESETS & ADJUSTMENTS

The pressure control switch supplied with your machine is factory set. This factory setting is suitable for most applications and should not need to be altered. If any alterations are required, please follow instructions below.

- Firstly, **disconnect** the power supply to the pump.
- Locate the pressure switch on your machine. Depending on your particular model, this will be either attached to the pump, or to the pressure vessel.
- On the top cover of the switch there is a retaining screw. Using a flat bladed screwdriver, remove this and lift off the cover.
- Adjust range nut (2) to give desired cut out pressure. (Increase=Clockwise, Decrease=Anti-clockwise)  
At this point, the cut in pressure will automatically be relative to the cut out pressure.  
6 bar switch has a standard differential of 1 bar  
12 bar switch has a standard differential of 1.5 - 2 bar  
eg. If cut out pressure on a 6 bar switch is set at 3 bar. Cut in will be 2 bar.
- The differential nut (1) can be turned to alter the above, but this is NOT recommended, without consultation with one of our engineers.

Once you have made the adjustments, replace the cover and apply power to your system. Make careful note of what pressure the pump switches on and off at using the pressure gauge. Make any further adjustments by repeating the above process.

When you are happy with the pressure settings, to maximize the efficiency of the system, you need to adjust the air pressure in the expansion vessel accordingly. This is also factory set at 1.5bar (22psi). This can be done using either a compressor or a foot pump with a standard tyre adapter. The pressure needs to be set at 0.1 bar (1.5psi) below the cut in pressure of your pump. e.g. The pump turns off at 5bar (75psi) and cuts back in at 3bar(45psi). The air pressure in the expansion vessel needs to be 2.9 bar (43.5psi). **NOTE:** When checking the pressure in the expansion vessel, there must be no water pressure in the system as this would give a false reading.

