

1.6 Precharge pressure setting

The CU 301 is designed to work with a 2 gal. diaphragm tank.

The precharge pressure of the diaphragm tank must be set to 70% of the pressure setting in order to use the tank to the limit of its capacity. This is of course especially important when the tank volume is limited to 2 gal.

Use the values in the following table.

Precharge pressure is measured with 0 psi in the pipeline:

Setting [psi]	Precharge pressure [psi]
40	28
50	35
60	42
70	49
80	56
90	63
100	70

Note: If the precharge pressure is higher than the pressure setting, the system will have difficulty controlling the pressure.