

Boiling Water at less than 100 C or 212 F

Place hot water in the syringe between a temperature of 50 C to 75 C

Close the valve

Pull the plunger back and the water boils

Water boils at 100 C or 212 F at one atmosphere of pressure. Liquids boil when the pressure of the atmosphere is equal to the pressure of the liquid. When the pressure of the atmosphere is reduced a liquid boils at a lower temperature. This is what happens when you climb a mountain. When pressure cooker is used steam is trapped in the pot and it increases the pressure above the water. this causes the water to boil at a temperature more than 100 C. when you pull back on the plunger, the pressure in the syringe is reduced and the liquid boils t a lower temperature. You can boil water at about 50 C in this system.



[Main Menu](#)