

In 1712 Newcomen invented the world's first successful atmospheric steam engine. The engine pumped water using a vacuum created by condensed steam.

ap test

Check Valve Assy

Under standard atmospheric condidions the expansion of liquid water into steam is about 1 to 1700

There are about 120 cups per cubic foot
Therefore one cup of water converted into steam would fill
1700/120 = 14.2 cubic feet at standard atmospheric pressure.
This amounts to about 106 gallons
(There are 16 cups per gallon)