

Distinguish, differentiate, compare and explain what is the Difference between Relief Valve and Safety Valve. Comparison and Differences.

Difference between Safety Valve and Relief Valve

S.No.	Relief Valve	Safety Valve
1	Purpose is to limit pressure to a specific pressure.	Fail-safe purpose; protect property, environment and people.
2	Opens proportional to the pressure increase.	Starts opening before the set pressure and pops open at the set-point or at a defined point.
3	Opens when the pressure reaches a set pressure limit.	Starts opening before the set pressure limit.
4	Can NOT be used at maximal overpressure values of 3% MAWP.	Can be used at maximal overpressure values of 3% MAWP.