

VAPOUR PRESSURE AND CAVITATION

A change from the liquid state to the gaseous state is known as Vaporizations. The vaporization occurs because of continuous escaping of the molecules through the free liquid surface.

- if the pressure at any point in this flowing liquid becomes equal to or less than the vapour pressure, the vapourisation of the liquid starts.
- The bubbles of these vapours are carried by the flowing liquid in to the region of high pressure where they collapse, giving rise to impact pressure.
- The pressure developed by the collapsing bubbles is so high that the material from the adjoining boundaries gets eroded and cavities are formed on them.
- This phenomenon is known as **CAVITATION**.



