

Describe the different types of energies possessed by a flowing liquid.

ANSWER:

Consider liquid as an incompressible it can not act as a spring. so, there is no compression (spring) energy. the only available energy is

1. Kinetic energy $E = (m \cdot v^2) / 2$
2. Potential energy (gravitational) $E = m \cdot g \cdot h$ (if there is a gravity)

and some exotic types (usually this types never consider)

3. Heat energy. the liquid can get hotter or colder. $E = c \cdot m$
4. If the liquid has an electric Charge and placed in the electric field, they will be some electric energy.
5. similar can be provided for magnetic liquid, magnetic field and magnetic energy.