

Distinguish, differentiate, compare and explain what is the Difference between Peltons and Francis Turbine. Comparison and Differences.

Difference Between Peltons and Francis Turbine

1. In a Peltons wheel, the total potential head is changed into kinetic head for affecting the motion of the runner; while in a Francis wheel, only a part of it is converted.
2. Water strikes only a few buckets at a time in Peltons wheel while in Francis turbine wheel the water flows like that in a closed conduit. The runner is always full of water, and thus all the blades are simultaneously stricken by water.
3. In Peltons wheel, the water falls freely to the atmosphere; while in Francis wheel, the water is taken up to the tailrace by means of a closed draft tube, and thus, the whole passage of water is totally enclosed.

Steady Run