

Experimental Performance of HHO Gas Generator

There is currently a high demand for energy that can improve our daily lives. Coal, natural gas, and nuclear energy are just a few of the resources that can be used to produce energy. These fuels do, however, also contribute significantly to environmental pollution. Therefore, in light of the current situation's crisis, it is necessary to investigate and utilize any available alternative or clean resources. In this study, the development of a hydrogen gas wet cell is the main goal. Using the electrolysis principle, this hydrogen or HHO gas generator separates water into its two molecules of hydrogen and oxygen, which are then released as a gas known as brown gas. It is actually an electrolysis device, with high-grade stainless steel serving as the electrodes and a mixture of water and the appropriate ionic solution KOH serving as the electrolyte. The ideal Milliliters per Minute per Watt (MMW) value was found at 16 amps, 18 seconds, and 2.5g/l KOH concentration, and it was 11.72 ml/min/W.