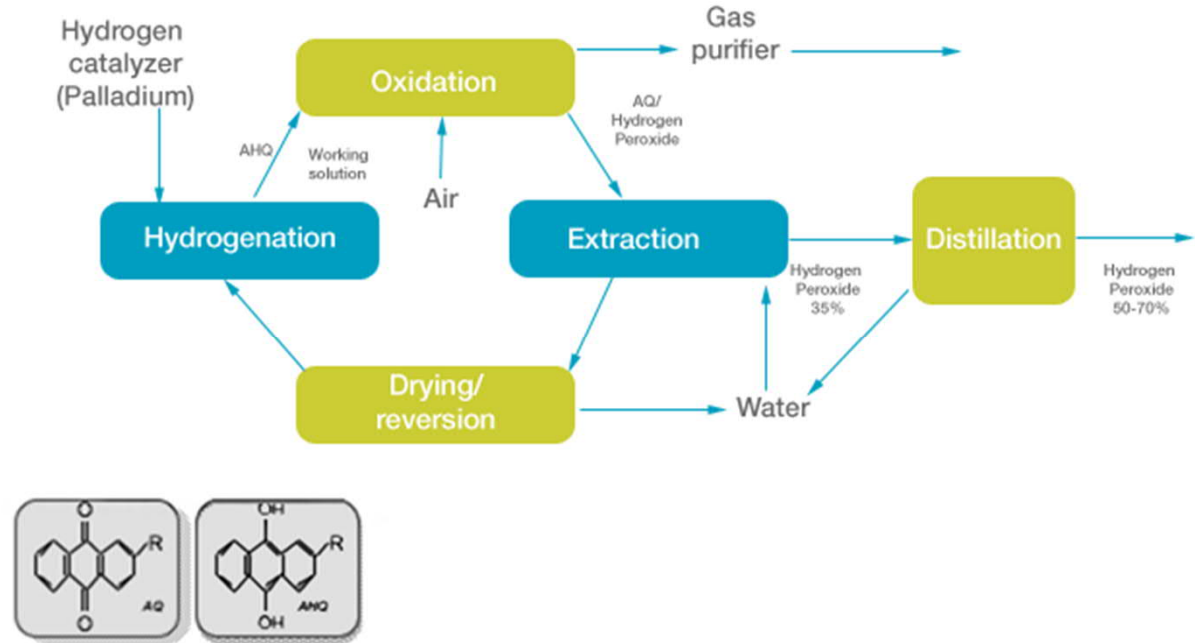


Hydrogen Peroxide Process Diagram

- Hydrogenation – anthraquinone reacts with hydrogen in a reaction chamber
- Oxidation – oxygen in the air reacts with the hydrogenated anthraquinone to produce hydrogen peroxide
- Extraction – hydrogen peroxide is separated from the working solution into a water solution
- Drying/reversion – water content in the oxidized working solution is reduced, anthraquinone by-products are reactivated and returned back to active anthraquinone
- Distillation – crude hydrogen peroxide, from the extraction process, is distilled to either a chemical or technical grade



Def: Anthraquinone is the carrier molecule for the controlled reaction between hydrogen and oxygen to form hydrogen peroxide.