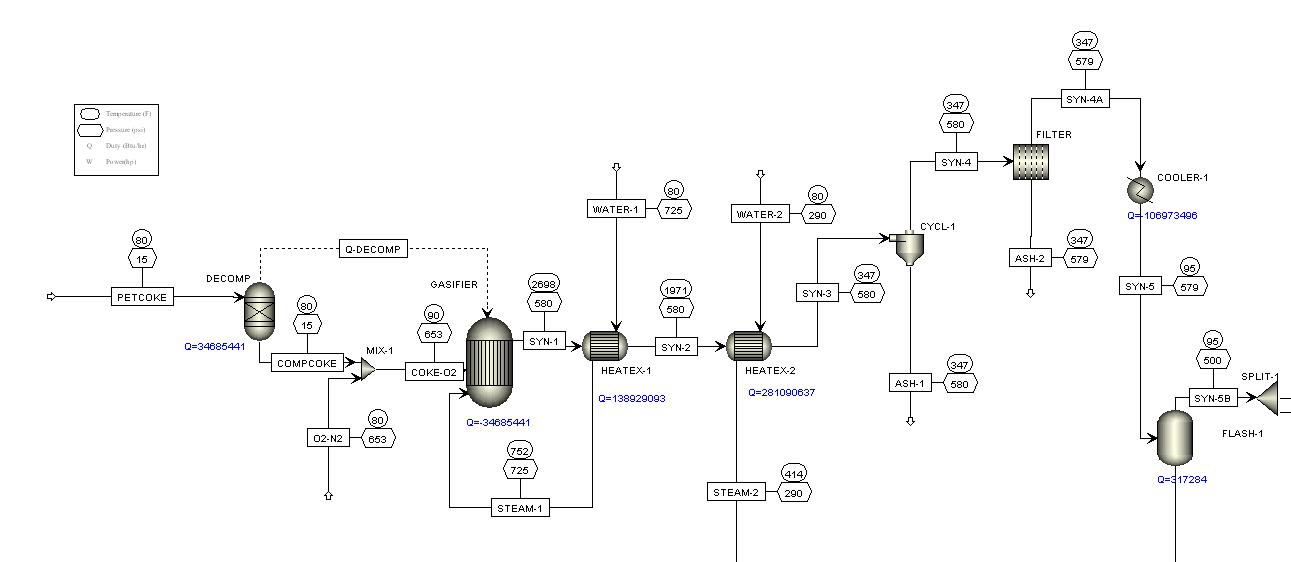
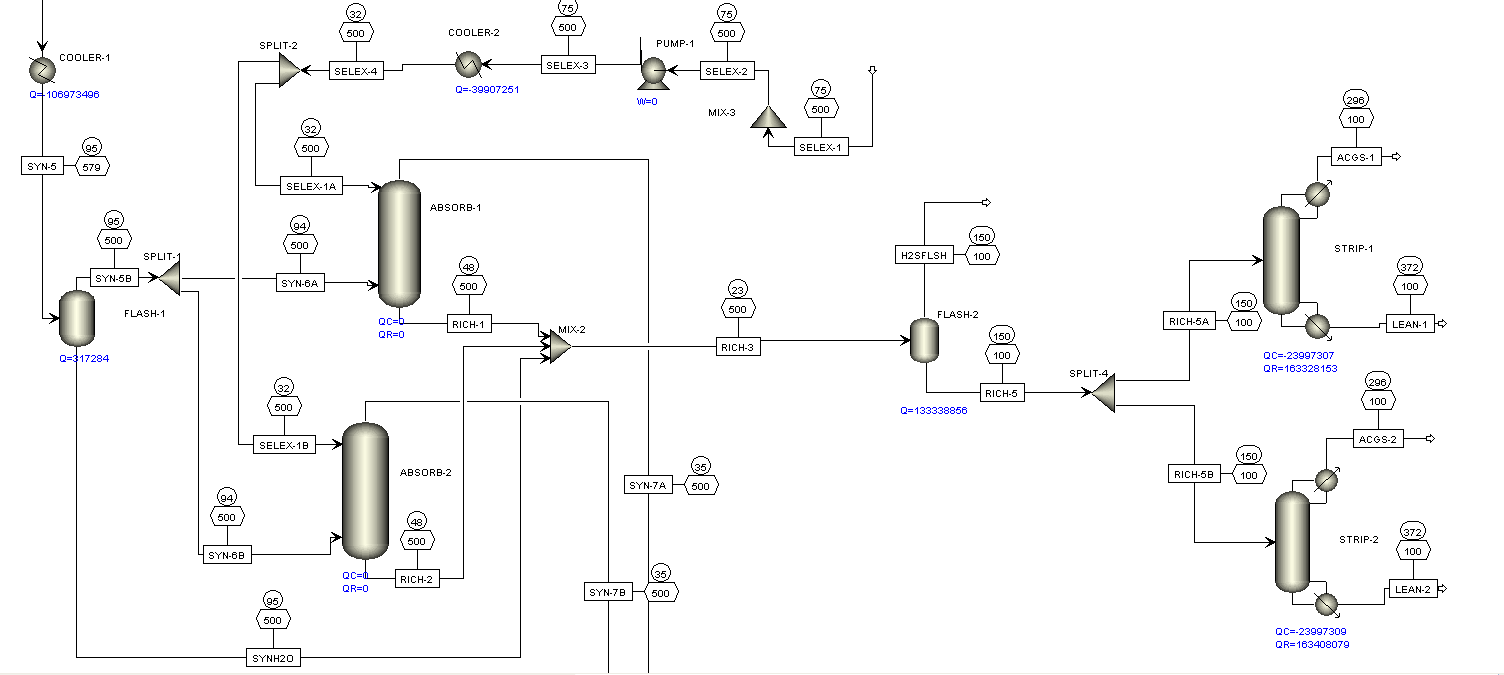


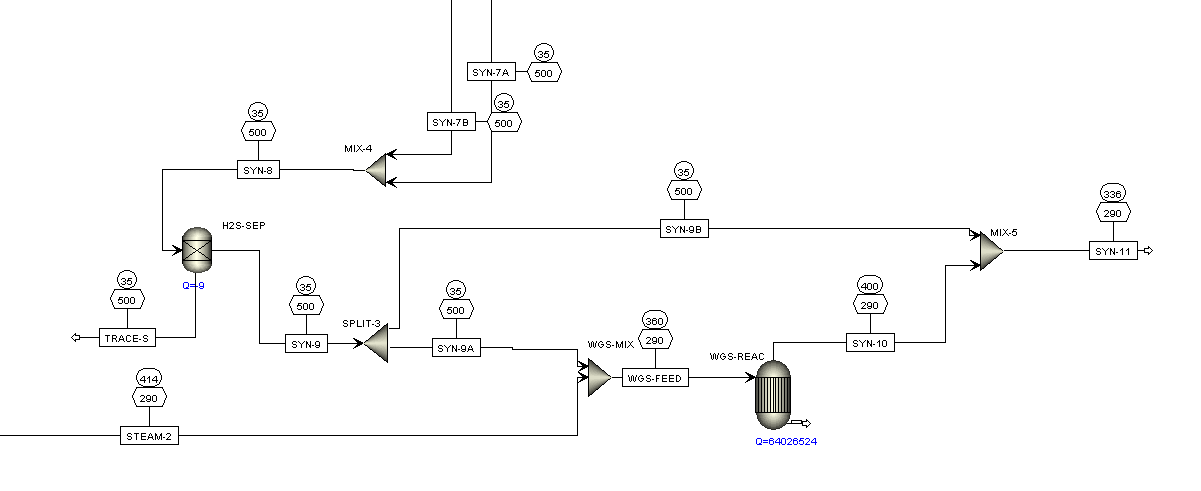
Overall process ( not including the Claus process, CO2 recovery and petcoke crushing and ASU unit if necessary)



This is the Gasification section, its stops after Cooler-1. From there it goes to the H2S Scrubbing section. Top number attached to stream is temp(F) and bottom is pressure (psi) the blue is heat duty.



This is the H2S scrubbing along with the solvent (Selexol) regeneration columns. The two main parts are the exiting clean syn gas going to the WGS and the Acid gas leaving the strippers. NOTE: The lean solvent has to be recycled back to the absorbers by meeting up with Mix-3 that is not shown yet because of convergence issues.



This is the WGS section. We don’t need a rigorous modeling of this because this isn’t a power plant where we have to make as much H2 as possible.