V-101 Toluene Storage Drum | P-101A/B Toluene Feed Pumps | E-101 Feed Preheater | H-101 Feed Heater | R-101 Reactor | C-101A/B RecycleGas Compressor | E-102 Reactor Effluent Cooler | V-102 HighPres. Phase Sep. | V-103 Low Pres. Phase Sep. | E-103 Tower Feed Heater | E-106 Benzene Reboiler | T-101 Benzene Column | E-104 Benzene Condenser | V-104 Reflux Drum | P-102A/B Reflux Pumps | E-105 Product Cooler

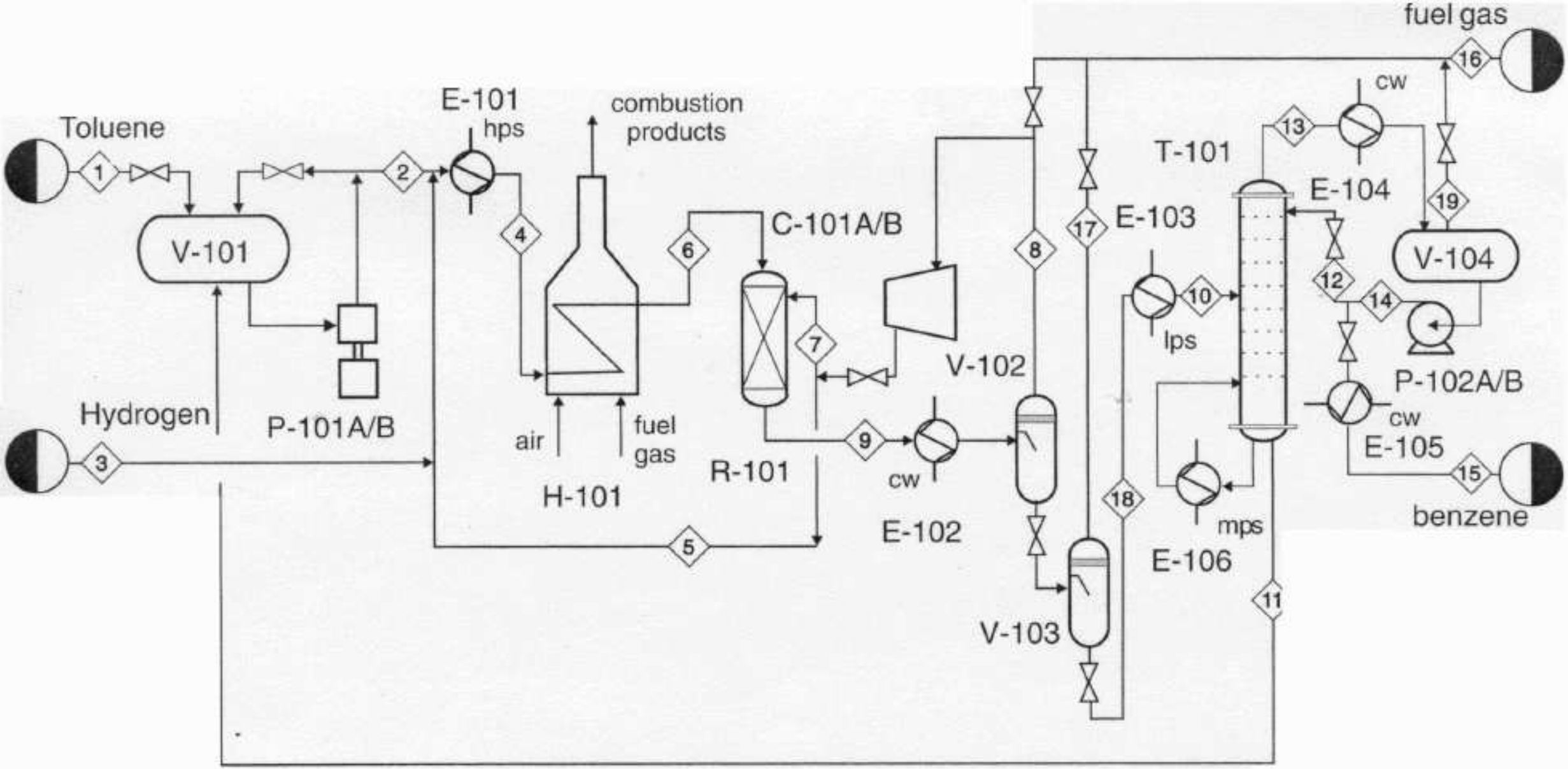

Figure 1.3 Skeleton Process Flow Diagram (PFD) for the Production of Benzene via the Hydrodealkylation of Toluene