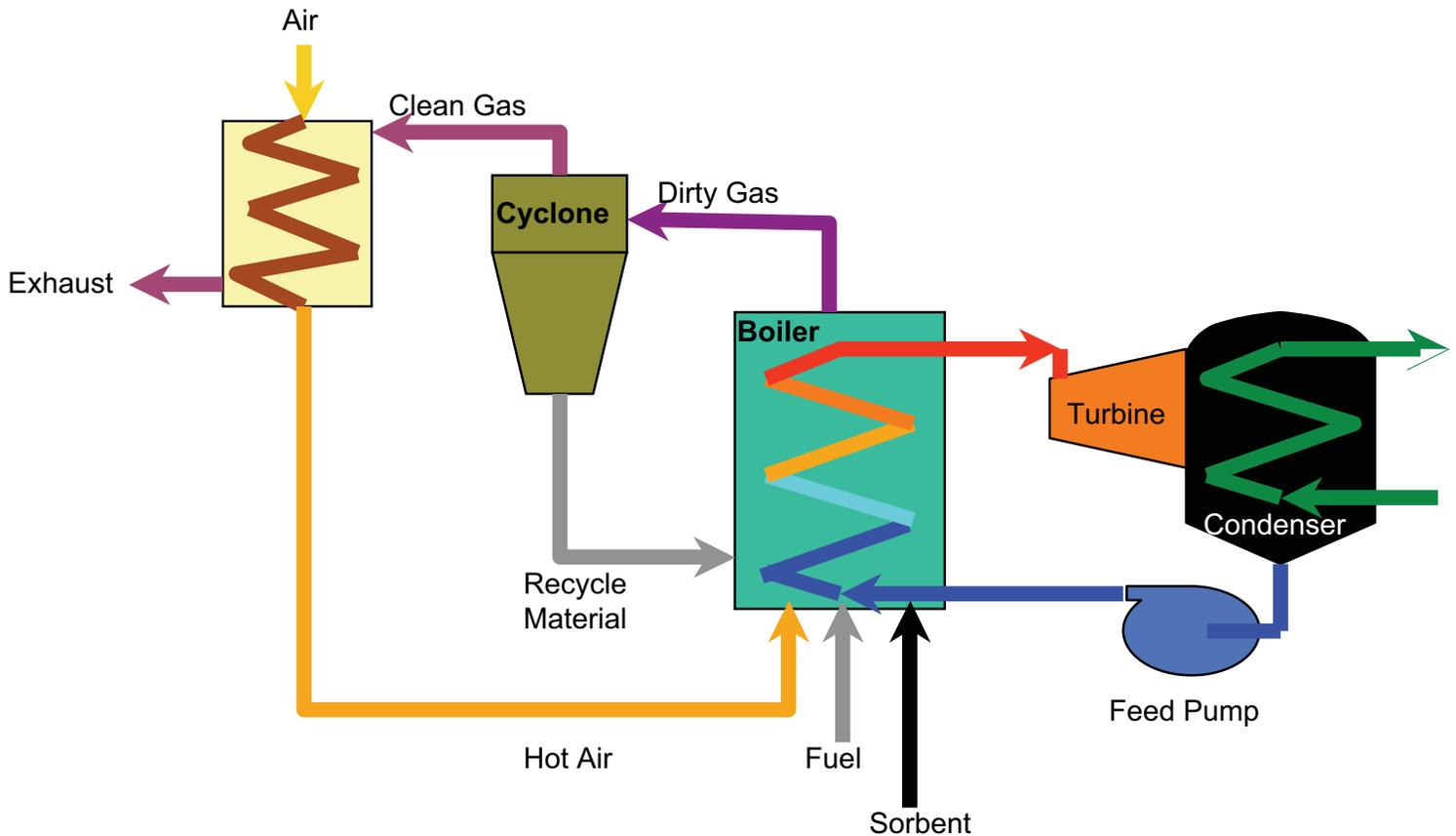


Fluidized Bed Combustion



An atmospheric FBC plant operates by injecting both crushed coal and a sorbent, typically crushed limestone, into the boiler. The calcium in the limestone combines with the SO_2 from the coal combustion to form a solid material. This material and coal ash are blown out of the boiler; some material is recycled back into the boiler. Steam from the boiler is converted to electrical energy by the turbine-generator. The turbine exhaust steam is condensed and pumped back to the boiler. Cleaned flue gas is exhausted to the atmosphere. Ash and the limestone products, including the captured sulfur, are removed and disposed.