

Natural gas price:

2.25 EUR ct/kWh

1 cubic meter natural gas = 10 kWh ([Natural Gas m3 to kWh \(cubic metres to kilowatt-hour\) online \(buildingclub.info\)](#))

2.25 EUR ct/kWh = 0.225 EUR/cubic meter

First part: for the reactor

Flow rates: 85576.7 cum/hour

Costs: 19254.76 EUR/hour

Second part: for the furnace

Flow rates: 82630.58cum/hour

Costs: 18,591.88 EUR/hour

Total costs for natural gas: 37,846.64 EUR/hour

CO2 price:

60 USD/ton = 51 EUR/ton

Flow rates: 148.89 tons/hour

Costs for CO2: 7593.39 EUR/hour

STEAM price:

19.56 EUR/ton

Flow rates: 616.99 tons/hour

Costs for steam: 12,068.42 EUR/hour

Syngas part total costs for feeding streams: 57,508.45 EUR/hour