Equivalent Evaporation (From and At 100 °C)

11/10/2026

Project: equivalent-evaporation

Input Parameters

Steam generated	10,000 kg/h
Steam pressure (absolute)	10.500 bar
Steam condition	Dry saturated
Steam temperature (superheated only)	250.00 °C
Feedwater temperature	105.00 °C
Fuel burnt (optional)	1,600.0 kg/h

Calculated Results

Equivalent evaporation from and at 100 °C	10,362 kg/h
Factor of evaporation	1.0362
Actual evaporation ratio	6.2500 kg/kg
Equivalent evaporation ratio	6.4760 kg/kg
Steam enthalpy	2,779.0 kJ/kg
Feedwater enthalpy	440.90 kJ/kg
Latent heat at 100 °C	2,256.5 kJ/kg