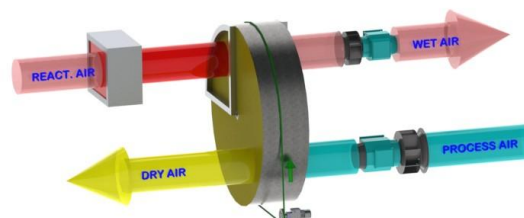


| | | Process | Reactivation |
|----------------------|-----|----------------|---------------------|
| | | ==> | <== |
| Temperature (°C) | In | 30 | 130 |
| | Out | 56,2 | 51,6 |
| Moisture (g/kg) | In | 21,6 | 12 |
| | Out | 13,73 | 35,81 |
| Size (°) | | 270 | 90 |
| Mass flow (kg/(m·s)) | | 3,96 | 3,96 |
| Pressure drop (Pa) | | 284 | 357 |
| Speed (rph) | | 12 | |
| Rotor depth (mm) | | 200 | |
| Rotor diameter (mm) | | 1940 | |



Project info:

Aria Processo = 25000 m³/h @ 30 °C : 80% : 21,6 g/kg
 Aria Rigenerazione = 8400 m³/h @ 12 g/kg
 Potenza rigenerazione = 8400*(Δt/100)*0,29 = 243600 kcal (283 kW)
 Capacità Deumidificazione = 25000*(21,6-13,73)*1,2/1000 = **236 kg/h** (5670 kg/24h)

item_A

| | | Process | Reactivation |
|---------------------|-----|----------------|---------------------|
| | | ==> | <== |
| Temperature (°C) | In | 5 | 130 |
| | Out | 24,9 | 70,3 |
| Moisture (g/kg) | In | 5,4 | 12 |
| | Out | 0,62 | 26,37 |
| Size (°) | | 270 | 90 |
| Massflow (kg/(m·s)) | | 3,96 | 3,96 |
| Pressure drop (Pa) | | 266 | 357 |

Project info:

Aria Processo = 25000 m³/h @ 5 °C : 99% : 5,4 g/kg (pre/rffreddo)
 Aria Rigenerazione = 8400 m³/h @ 12 g/kg
 Potenza rigenerazione = 8400*(Δt/100)*0,29 = 243600 kcal (283 kW)
 Capacità Deumidificazione = 25000*(5,4-0,62)*1,2/1000 = **144 kg/h** (3442 kg/24h)

item_B