**换热器开发参数需求单**

Gas Cooler development parameter requirement list

|  |  |  |  |
| --- | --- | --- | --- |
| 设计(Designer)： |  | 客户(Client )： |  |
| 电话(Telephone)： |  | 电话(Telephone)： |  |
| 邮箱(E-mail)： |  | 邮箱(E-mail)： |  |
| 传真(Fax)： |  | 传真(Fax)： |  |

Parameter requirement：

|  |  |  |  |
| --- | --- | --- | --- |
| Medium |  Co2 |  |   |
| Heat dissipation required |  kW | Ambient dry bulb temperature | ℃ |
| Pressure of Co2 | bar | Ambient wet bulb temperature or relative humidity | ℃/% |
| Co2 inlet temperature | ℃ | Altitude | m |
| Co2 outlet temperature | ℃ | External residual pressure | Pa |
| Maximum allowable pressure drop | kPa | Electric system | V/Ph/Hz |

Remark：

1. For precise design, please provide above data required as much as possible.
2. Please fulfill the sheet as required.

Densign result：

|  |  |  |  |
| --- | --- | --- | --- |
| Total number of gas coolers |  Pcs | Number of fans | Pcs |
| Gas cooler model |  | Fan power and current | kW/A |
| Design heat dissipation | kW | Isenthalpy cooling temperature switching point | ℃ |
| Heat exchange area | M2 | Isenthalpic cooling water supply | Kg/h |
| Pressure drop | kPa | Gas cooler dimensions | mm |
| CO2 outlet design temperature | ℃ | Inner volume | L |
|  |  | Weight | Kg |

Optional items：

|  |  |  |
| --- | --- | --- |
| Heat-exchange tube | Fin | Frame |
| □Copper tube  | □Al | □Galvanized sheet |
| □Internal thread copper pipe  | □Hydrophilic Al fin | □Aluminum |
| □Stainless steel 304 | □Almg 25 | □Stainless steel 304 |
| □B10 | □Copper fin | □Stainless steel 316 |
| □B30 | □Black coated Al fin | □Cu |
| □Titanium | □Gold phenolic coated Al fin |  |
|  | □Tinned copper fin |  |
|  | □Blygold spray Al fin |  |
|  | □Blygold spray copper fin |  |
|  | □Stainless steel 304 |  |
|  | □Stainless steel 316L |  |

|  |  |  |
| --- | --- | --- |
| Fan | Electrical control | Others |
| □AC fan | □Junction box | □High and low temperature dual heat exchanger |
| □EC fan | □Control box | □Wet curtain system |
| □Explosion-proof fan | □Inverter control box | □Spray system |
| □Marine fan |  | □Steel structure |
| □Stainless steel grille |  | □Air filter |
| □Plastic jet |  |  |
| □Blower jet |  |  |
|  |  |  |
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