


MU Scrubber Design Data Sheet

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Name of title:	Construction No.:
Customer Name:	Approval No.:
Equipment Name:	Date: Date Month Year
Model:	Contact person:
Number of units to fabricate:	Revision No.:
Reference drawing:	

1. Design Conditions

- | | | |
|---|-------------|--|
| 1) Amount of Feed gas: | | Nm ³ /min, Nm ³ /hr (wet or dry) |
| 2) Gas temperature: | Operational | °C |
| | Design | °C |
| 3) Gas pressure: | Operational | Kg/cm ² G / mmH ₂ O G/ kPaG |
| | Design | Kg/cm ² G / mmH ₂ O G/ kPaG |
| 4) Pressure at inlet to equipment: | Operational | Kg/cm ² G / mmH ₂ O G/ kPaG |
| | Design | Kg/cm ² G / mmH ₂ O G/ kPaG |
| 5) Feed gas component: | | |
| a) _____ | | |
| b) _____ | | |
| c) _____ | | |
| d) _____ | | |
| e) _____ | | |
| 6) Feed gas concentration | | |
| a) _____ | | Kg/h, g/hr, ppm or %(wt or vol) |
| b) _____ | | Kg/h, g/hr, ppm or %(wt or vol) |
| c) _____ | | Kg/h, g/hr, ppm or %(wt or vol) |
| d) _____ | | Kg/h, g/hr, ppm or %(wt or vol) |
| e) _____ | | Kg/h, g/hr, ppm or %(wt or vol) |
| 7) Treated gas (outlet gas) & its concentration | | |
| a) _____ | | mg/Nm ³ , ppm(wt or vol) |
| b) _____ | | mg/Nm ³ , ppm(wt or vol) |
| c) _____ | | mg/Nm ³ , ppm(wt or vol) |
| d) _____ | | mg/Nm ³ , ppm(wt or vol) |
| e) _____ | | mg/Nm ³ , ppm(wt or vol) |

- 8) Allowable pressure drop: Operational mmH₂O / kPa
 Design mmH₂O / kPa
- 9) Installed location: Indoor Outdoor
- 10) Area of Installation: Width Length Height
- 11) Anti-explosion measures: Not required Required
- 12) Power supply:
- 13) Materials: Selected by fabricator's discretion
 Designated as follows; PVC, FRP, Stainless steel, Carbon steel , PVC+FRP, Titanium, others
- Tower
 - Exhaust blower
 - Bolts and nuts
 - Mixing element
 - Pump
 - Gas piping
 - Flange
 - Circulating liquid tank
 - Mounting and common base
 - Gasket
 - Liquid piping
- 14) Spare parts
- Mixing element
 - Spray nozzle
 - Gasket
 - Bolts and nuts
- 15) Scope of fabrication
- (1): Tower (3) : (2) +Circulating liquid pump
 (5) : (4) +Mounting and mount for inspection (2) : (1) +Circulating liquid tank
 (4) : (3) +Exhaust blower (6) : (5) +Liquid/Gas Piping
 (7): Operation panel, Control panel
- 16) Remark
- (1) Operation time: Hrs / Day
 (2) Operation method: Batch wise Continuous
- 17) Absorbing liquid/Washing liquid
- 1) Type (Name of substance)
- 2) Concentration: _____ wt%
- 3) pH: _____
- 4) Specific gravity: _____
- 5) Solid concentration: _____ wt%
- 6) Temperature: _____ °C
- 18) Others
- 1) Flow sheet of current equipment
 - 2) Issues of current equipment
 - 3) Test data disclosure

Date Month Year

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1. Utility conditions

1	Fresh water (to be selected) 1) Industrial water 2) Neutral water 3) Pure water	Feeding amount: _____ m ³ /Hr Supply pressure: _____ mPaG Temperature: _____ °C pH: _____ Composition: _____
2	Instrument air supply	Supply pressure: _____ mPaG Machine oil: supplied <input type="checkbox"/> not supplied <input type="checkbox"/> Temperature: _____ °C Dew point: _____ °C
3	Electricity supply 1) For motor 2) Control circuit 3) Instrument circuit	AC _____ V, _____ Hz, _____ k W, _____ 3 φ AC _____ V, _____ Hz, _____ k W, _____ 1 φ AC _____ V, _____ Hz, _____ k W, _____ 1 φ
4	Steam supply	Feeding amount: _____ Kg/Hr Supply pressure: _____ mPaG Temperature: _____ °C
5	N ₂ supply	Feeding amount: _____ L/min Supply pressure: _____ mPaG Temperature: _____ °C
6	Dry air	Feeding amount: _____ L/min, m ³ /Hr Supply pressure: _____ mPaG Temperature: _____ °C