



V-001
Vent Gas KO Drum
FOR INFORMATION

Ecobat Vent Gas Study
Project No.: 2260.220842

REV	DATE	DESCRIPTION	ORIGINATOR	CHECKER	APPROVER
B	12/20/2022	ISSUED FOR INFORMATION	H. Arenas	A. Kolhatkar	G. Allum-Govia
A	10/20/2022	ISSUED FOR INFORMATION	H. Arenas	A. Kolhatkar	D.L Brown



V-001
Vent Gas KO Drum
DATA SHEET

REV.	DATE	DESCRIPTION	SHEET :
A	10/20/2022	ISSUED FOR INFORMATION	SPEC. NO.:
B	12/20/2022	ISSUED FOR INFORMATION	REV. NO.:
			PROJ. NO.:
			BY / CHK'D:

1 of 1

B
2260.220842
HDA/AK

CLIENT: **ECOBAT**
PROJECT: **Ecobat Vent Gas Study**
LOCATION: **Casa Grande, Arizona**

NOTE: APPLICABLE TO INQUIRY (X) PURCHASE () AS BUILT ()

VESSEL NAME: **Vent Gas KO Drum** ITEM NO.: **V-001**

Design Conditions	Pressure	3 Δ Barg	50 °C
	Vacuum	Barg @	°C
	Regen.	Barg	°C
Operating Conditions	Pressure	0.5 Δ Barg	25 °C
	Vacuum	Barg	°C
Vessel Liq Density		Kg/M3 °C	
Sour Water Service		[] Yes	[X] No
Hydrogen Partial Pressure		0	
H ₂ S Content		0	
Minimum Design Metal Temperature		-6 °C	

MECHANICAL DATA

Code Stamp	No. Build to code but do not stamp.		
ASME Code	Sect.	Div.	
Stress Relieve For Process	[] Yes	[X] No	
Insulation	[] None	[X] Conservation	[] Protection
Refs, Specs			
Grounding lug required.	Yes		
Packing Type	None	Size	

MATERIAL SPECIFICATIONS

	Material	Corr. Allow.
Vessel Shell / Heads	316 SS	
Vessel Nozzles	316 SS	
Internals		
Lining / Clad Material		Thick.
Packing		
Trays		
Caps / Valves		
Baffle	316 SS	
Mist Eliminator	316 SS	
Gaskets		

NOZZLE SCHEDULE

MK.	NO.	SIZE (in)	RTG.	FCG.	SERVICE
N1	1	3 Δ	150#	RF	Inlet
N2	1	3 Δ	150#	RF	Vapor Outlet
N3	1	2	150#	RF	Liquid Outlet
N4	1	2	150#	RF	Steam Out
N5-N6	2	2	150#	RF	Level Instrument
N7-N8	2	2	150#	RF	Level Instrument
N9	1	2	150#	RF	Drain
N10	1	2 Δ	150#	RF	Vent
H1	1	8 Δ	150#	RF	Handhole
T1	1	1 1/2	150#	-	Thermowell

NOTES:

- Vessel is sized with a droplet size of 300 microns without demister. Demister pad design will be provided by the vendor.
- Consider 10 % overdesign

