

VESSEL

Technical drawing of a vertical cylindrical vessel with the following dimensions and components:

- Dimensions:**
 - Total height: 3000 mm (300 + 1500 + 1500)
 - Top section height: 300 mm
 - Upper cylindrical section height: 1500 mm
 - Lower cylindrical section height: 1500 mm
 - Bottom section height: 600 mm
 - Overall diameter: 850 mm
- Components and Labels:**
 - 1:** Top flange
 - 2:** Bottom flange
 - 3:** Four side ports, each with a height of 200 mm
 - 4:** Bottom support or base
 - 5:** Bottom support or base
 - 6:** Inert balls (7) and O₂ removal catalyst
 - Impingement plate Ø 250:** Located at the top and bottom of the vessel.
 - Note A:** Points to a detail of the bottom impingement plate.

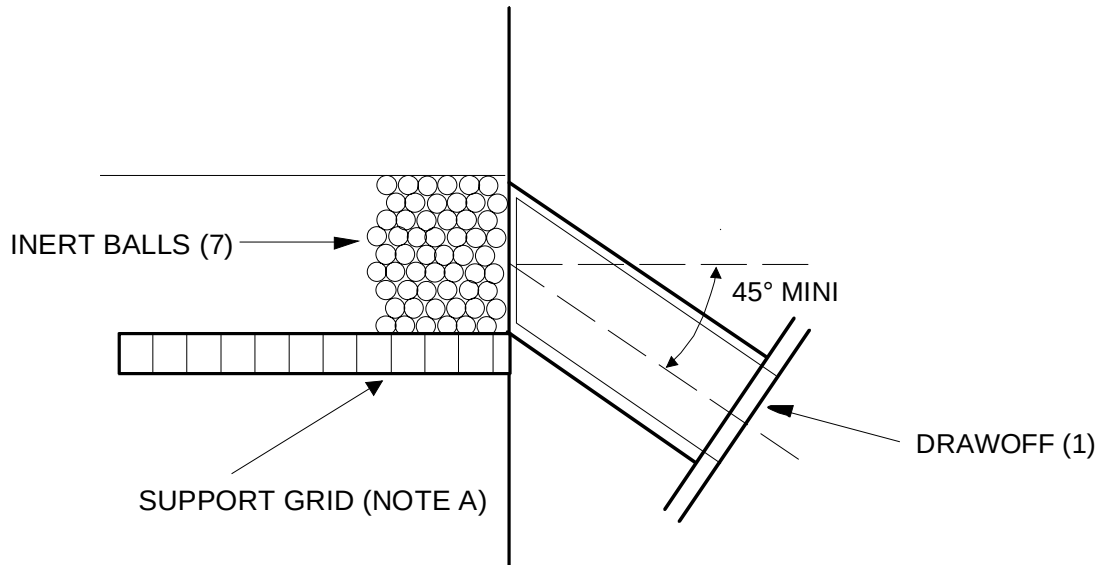
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(*) CYLINDRICAL SHELL LENGTH ONLY.

VESSEL

CLIENT	BCPL	VESSEL	JOB N°	8692Y	Rev
LOCATION	LEPETKATA - INDIA		SECTION	RU	
UNIT	220 kta LLDPE / HDPE		ITEM	117-VV-570 A/B	
			No. OFF	2	
			SERVICE	N2 O2 / CO REMOVAL TREATERS	
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DETAIL 1 – CATALYST DRAWOFF



PROCESS NOTES

- Complete with plug insert flush fitting cylindrical shell for lateral flange.
- Catalyst supply:
Catalyst Puristar R3-15 T5X3 or equivalent : 0.9 m³
Inert balls : 0.17 m³.
- Deleted.
- Elevation to allow easy emptying of adsorbents form bottom withdrawal nozzle.
- S.S. 20 mesh grid (0.85 mm opening).
- Detail Engineering to ensure that total ΔP from flange to flange is lower than 0.2 kg/cm²(g).
- Denstone 57 or equivalent. All size to be given by catalyst Vendor.

MECHANICAL NOTES

- Johnson screen type grid or equivalent (see note 6).

REV.	XA	0	1						
DATE	MAR 09	AUG 09	SEPT 09						
BY	MC	MG	MG						
CHECKED BY	FB	FB	FB						

BLANK SHEET