

GUIDE TO TANK SPECIFICATION AND SELECTION

(A) SPECIFICATION FOR LOADING CONDITION :

1. Wind load limit when anchored mph/kmph _____
2. Concentrated top load limit, 1b/kg _____
at rated pressure psi _____
3. Snow load limit psf/ kg sm _____
4. Installation indoor/outdoor/on terrace / Roof mounted / underground

(B) SPECIFICATION FOR HANDING CONDITION

1. Pressure atmospheric () Yes () No If () No
Pressure psi _____
2. Chemicals _____
3. Trace chemicals _____
4. Concentration wt% _____
5. Specific gravity _____
6. Maximum temperature _____
7. Nature of material (Pure solvent/Effluent with suspended solids / solution with dissolved solids)

(C) DIMENSION REQUIREMENTS

(Please refer to our standard dimensions & models

1. Minimum capacity as measured upto top of straight shell or well
height gal/cu Mtr. _____
2. Outside diameter ft/mtr _____
3. Shell height ft/mtr. _____
4. Total height of tank ft/mtr. _____
5. Standard dimension acceptable? () Yes () No.

(D) CONSTRUCTION REQUIREMENTS :

1. Specify top construction :
() Open top with reinforcing rib.
() Open top with reinforcing rib and removable cover
() Closed top (specify type & construction)
2. Specify type of construction
() Filament wound
() Contact moulded
() Composite with liner thickness and material of construction
3. Specify bottom construction, i.e. flat, sloped, dished or cone etc.
4. Specify any additional requirements such as Pigmented exterior surface / color

5. CONNECTIONS

Size / No. Required

Remarks

| | | |
|---------------------------|-------|-------|
| vent | _____ | _____ |
| Inlet | _____ | _____ |
| Outlet | _____ | _____ |
| Drain | _____ | _____ |
| Manhole | _____ | _____ |
| Sight glass / light glass | _____ | _____ |
| Agltator mounting nozzle | _____ | _____ |
| Level Switch | _____ | _____ |

6. Cover requirements :

Specify style :

() dished or () flat or () conical

7. Specify whether lifting lugs are needed at top portion of straight shell Lifting lugs will be provided at the centre of cover on request Lifting Lugs will be Provided at top portion of straight shell / cover on request
8. Specify number of hold down lugs & spacings (degree apart)
9. Indicate additional accessories required, e.g. ladders, catwalk etc.
10. Specify tank nozzle construction required :
a) Flanged Nozzles :Conically gusseted with specified strength requirement, in ft lbf bending and torque ft-lb torque
b) Diameter and drilling requirements specify whether orientation will have bolt holes straddling the principal centerline of tank and a radial line on vessel top.

11. GASKETS

Specify thickness of full face gasket and material of construction (Neoprene / PVC / Viton / Teflon)

12. Indicate Nature of loading of Material in the tank

- a) Air loaded into the tank () Yes () No
- b) Gravity Feed () Yes () No
- c) Pump () Yes () No