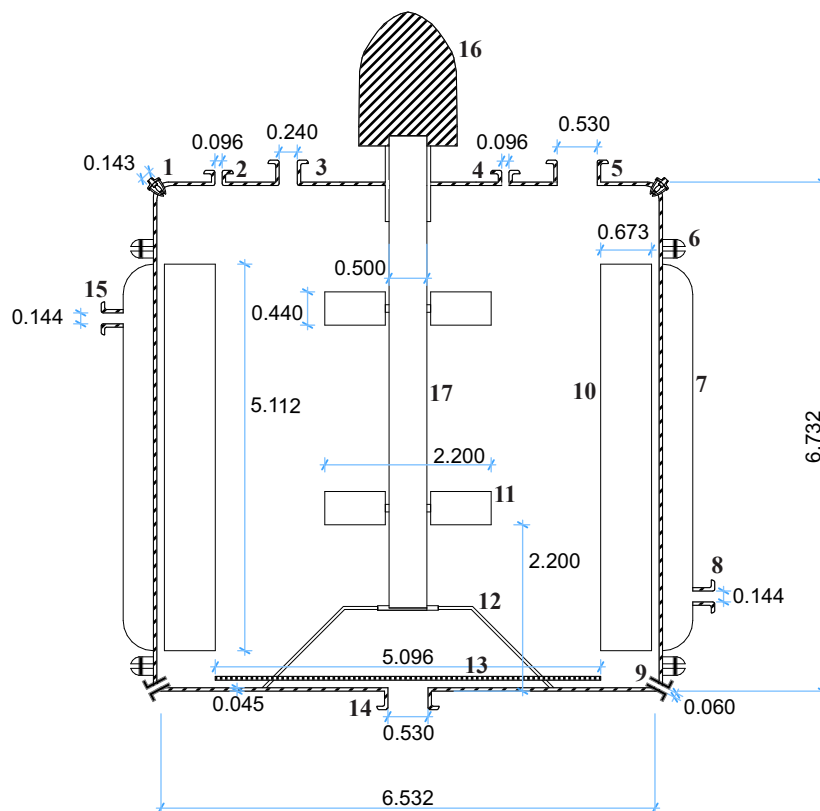


1. Spray bulb for tank washing
2. Nutrient inoculant feed nozzle
3. Gelatinised starch feed nozzle
4. Pressure relief nozzle
5. Water feed nozzle
6. Flanges to disconnect top and allow maintenance of impellers
7. External heating jacket
8. LPS utility feed stream
9. Eductor agitation nozzle
10. Baffle
11. Six-blade pitched (45 degrees) turbine
12. Shaft support
13. Stainless steel screen (mesh) to trap impurities
14. Product outlet nozzle
15. LPS utility outlet
16. Electric motor driving unit
17. Shaft onto which impellers are mounted



OPERATIONAL DATA

Location: Area 3

Fluid contained: Gelatinised starch slurry

Hazards: Starch slurry irritating/corrosive upon leakage

Cyclic pressure: 1-5 bar

Cyclic temperature: 25-90 °C

Normal pressure: 1.8 bar

Normal temperature: 55-90 °C

Design pressure: 5 bar

Design temperature: 120 °C

Minimum pressure: 1 bar

Minimum temperature: 25 °C

RV set pressure: 5.5 bar

Maximum static head: 0.65 bar

SG of contents: 0.98-1.2

Storage capacity: 240 m³

Pump rate: NA

Breathing rate: NA

Catalyst bulk density: NA

Packing density: NA

Pres. Diff. across bed: NA

Vortex breaker: 4 baffles

Agitator/rake: 2 six-blade pitched turbines

Internal heating: NA

External heating: Heating jacket (LPS)

Materials: Grade 304 stainless steel

Materials (internals): Grade 304 stainless steel

Corrosion allowance: 10 mm

Stress relief: NA

Insulation: Jacket lagged

VESSEL DATA SHEET

									VESSEL DATA SHEET	
1					Ref	Size	No.	Service	Service	
Rev	Details	By	Appd	Date	Nozzle Schedule				Item No 1	