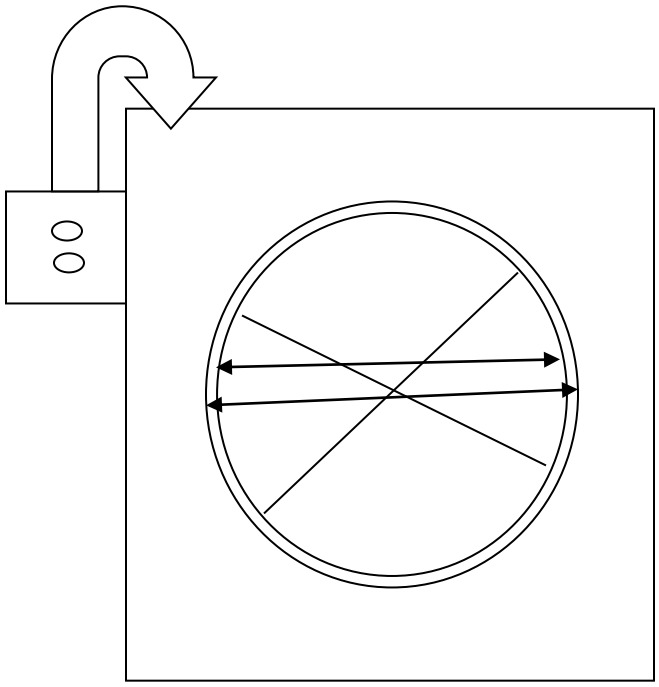
Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

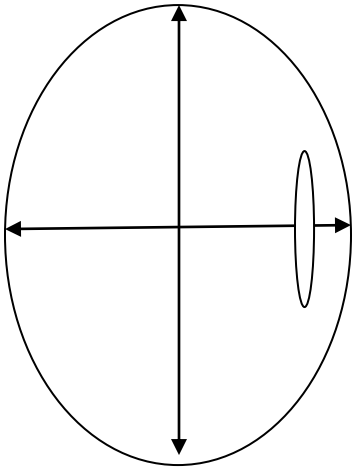
SURFACE AREA CALCULATION SHEET (AUTOCOATER 37")



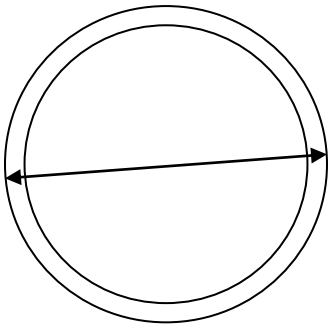
Coating Pan Frame

Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

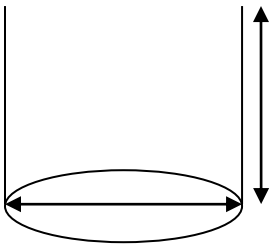
SURFACE AREA CALCULATION SHEET (AUTOCOATER 37")



Inner Coating Pan Surface

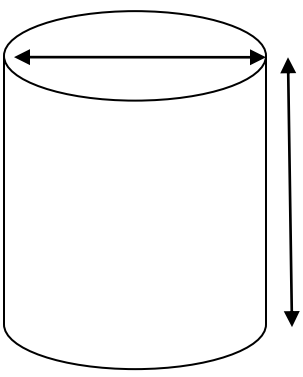


Lid



Discharge Mouth

SS TANK→

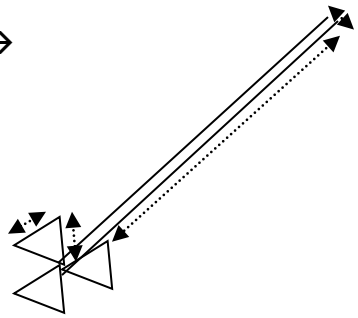


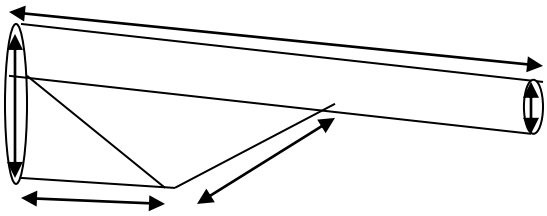
SS Tank

Pharma Devils	PHARMA DEVILS QUALITY ASSURANCE DEPARTMENT	**DRAWING No.:**

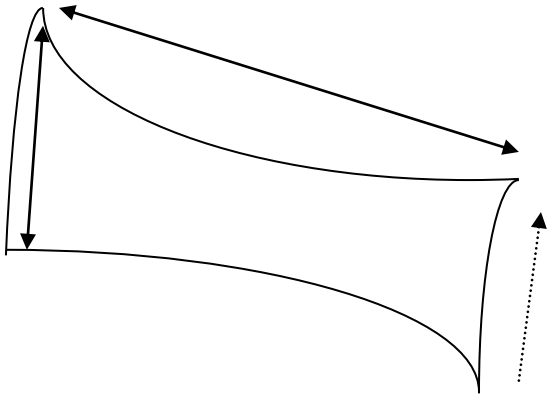
SURFACE AREA CALCULATION SHEET (AUTOCOATER 37")

SS STIRRER→





Discharge Chute



Impeller

SURFACE AREA CALCULATION SHEET (AUTOCOATER 37")

SURFACE AREA OF AUTO COATER

Inner surface area of Coating Pan:

D= …….. cm

d= ……cm

Surface area = π/4xDxd

= …….. cm^2

= ……. $inch^2$

Surface Area of Discharge Mouth

Length =… cm

Diameter = …….cm

Surface area = (2 x π x r x h) + (2 x π x r^2)

= …… cm^2

=…….. $inch^2$

Surface Area of Impeller Blades (6 Nos.)

Let's assume impellers blade as rectangular

So, surface Area= LxW

Here, Length=…..cm Width=……..cm

= …… cm^2

=…… $inch^2$

Surface Area of Nos. of Baffles = …… $inch^2$

Surface Area of Lid

Diameter =… cm

Surface Area =πx r^2

=…….. cm^2

=…….. $inch^2$

Surface Area of SS container

Length= …cm

SURFACE AREA CALCULATION SHEET (AUTOCOATER 37")

Diameter=……cm

Surface area = (2 x π x r x h) + (2 x π x r^2)

=……. cm^2

=…… $inch^2$

Surface area of Stirrer

Size of blade (3 nos.) =……cm

Area= ……. cm^2

Total area= …… cm^2

=……. $inch^2$

Surface Area of Stirrer Rod

Length=….cm

Diameter=…….cm

Surface area = (2 x π x r x h) + (2 x π x r^2)

=……. cm^2

=…….. $inch^2$

Total area of Stirrer =…….. $inch^2$

Surface Area of Discharge chute

Lets assume discharge chute as cylindrical in shape

Diameter= ….cm

Length=……cm

Thus, Surface area = (2 x π x r x h) + (2 x π x r^2)

=……. cm^2

=…… $inch^2$

Thus, Total surface Area of Auto coater

= …….. $inch^2$