

BacComber Scope of Supply (1)- Cooling Towers

BacComber Power Unit – OP1 (3 units)

Size: 450mm x 650mm x 300mm (W X H X D)

Weight: 33 kg each

Power Rating: 230Vac; 0.2 kW each



Figure 1: External BacComber Power Unit

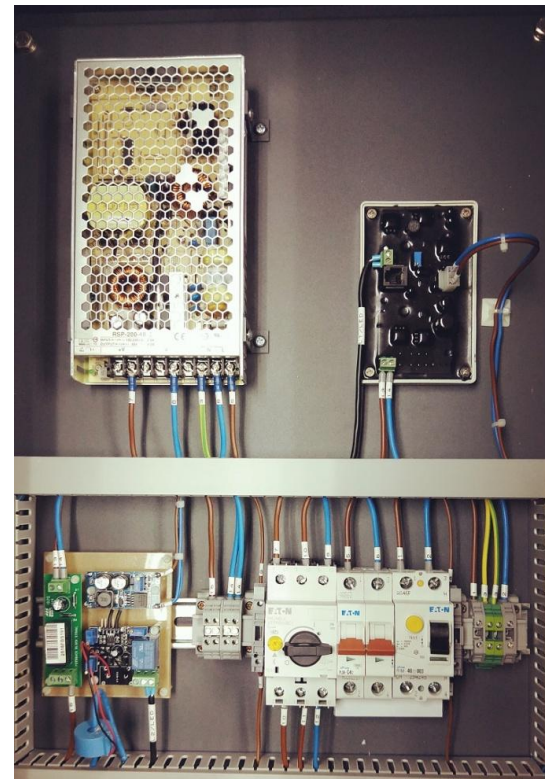


Figure 2: Internal BacComber Power Unit

BacComber Scope of Supply (2)- Cooling Towers

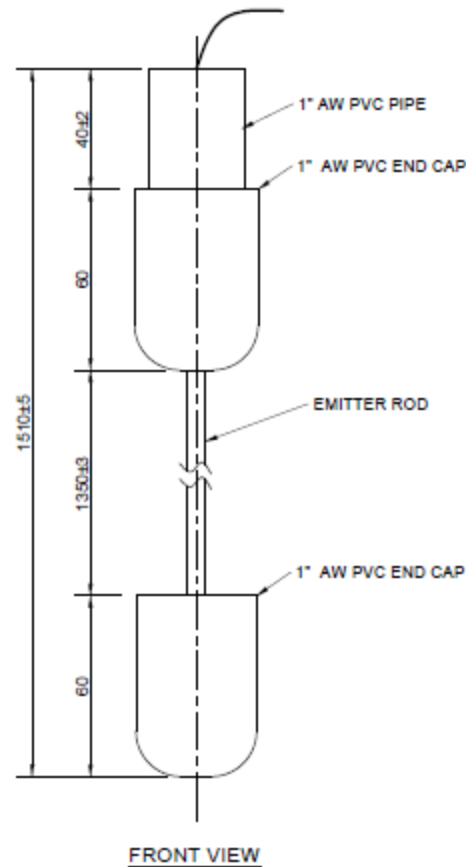
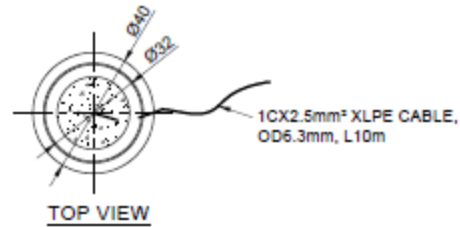
Emitter Rod: 12 pcs



- The emitters rod come with 10m XLPE cable.
- If cable not enough length, it can be extended by using the junction box.
- The emitter end connection is 1”(25mm) JIS pipe. It can be connected with JIS pipe and fitting as conduit pipe in the cooling tower.
- The emitter itself doesn’t have polarity. It will become +ve if connect to +ve terminal or –ve when it’s connect to –ve terminal at BacComber Power Unit.
- As illustrate in drawing,
 - For CT-1, CT-2 & CT-3
 - totally 2 units of emitters rod(1 pcs +ve emitter and 1 pcs –ve emitter) in each cell cooling tower.
- All the emitter’s cable need to lay accordingly and connected to BacComber Power Unit.
- Distance in between Emitter rod pair is 3000mm to 3500mm (further determined on site).
- If strainer is at the current path, it shall be painted.

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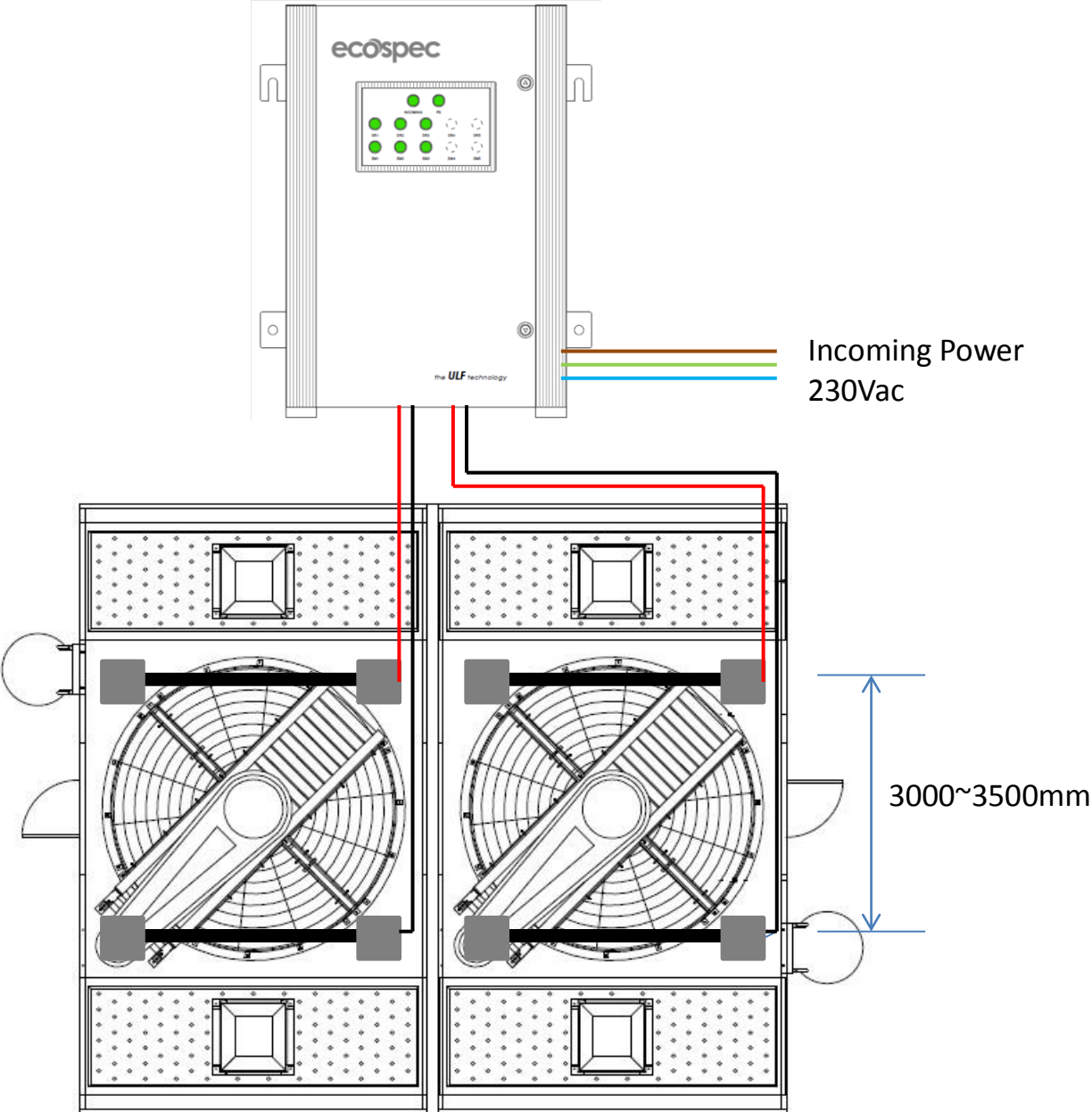
NOTE:

1. MATERIAL: AS STATED
2. ALL THE DIMENSIONS SHOWN IN THIS DRAWING ARE INDICATED IN mm
3. STD. DIMENSIONAL TOLERANCE ALLOWED, UNLESS OTHERWISE SPECIFIED.

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1			
REV.	AMENDMENTS	DATE	APPR.
CONTRACTOR			
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DESIGNED BY	ZFG		
DRAWN BY	ZFG		
CHECKED BY	TECH		
APPROVED BY	DR. CHUA		
PROJECT			
BacComber SYSTEM			
SUBJECT			
LAYOUT OF MOX EMITTER			
SCALE	NTS	DRAWING NO	REV
DATE	29-01-2018	ECS-EM-032-001	0

BacComber Installation Illustration for Each Cooling Tower

Example: CT1



Example Typical Installation (Emitter Layout)

Typical Installation Method



Figure A: Emitter Layout in Big Cooling Tower



Figure B: Emitter Layout in Small Cooling Tower



Figure C: Cable Penetration thru Wall of Cooling Tower

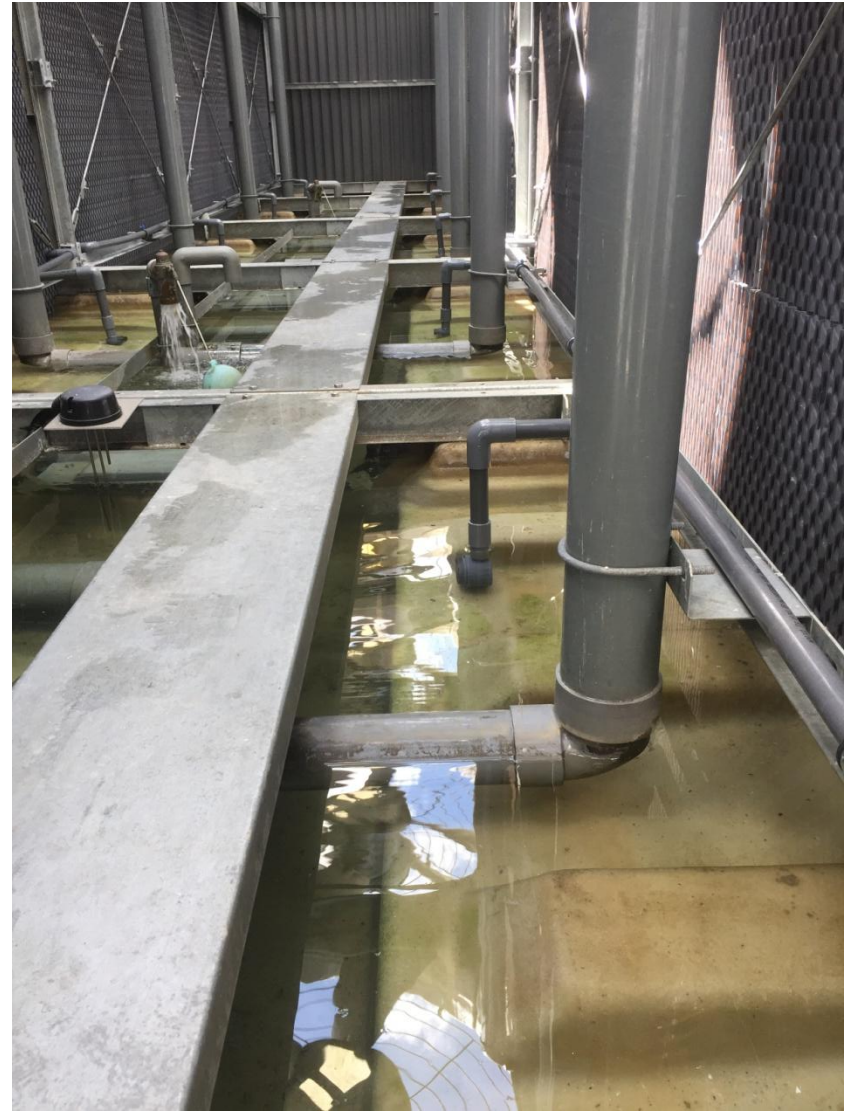


Figure D: Cable Penetration thru Fin of Cooling Tower

Example Typical Installation (Emitter Layout)



Example Typical Installation (Emitter Layout)



Example Typical Installation (Junction Box Connection)



Example Typical Installation (Panel Mounting)



Example Typical Installation (BacComber Power Unit)

