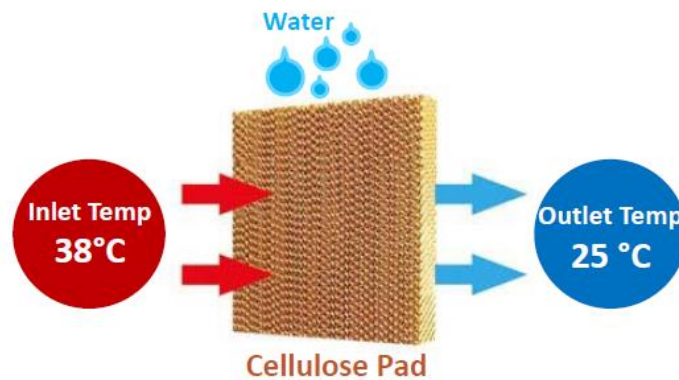


# EcoOne S-Type : Energy Saving Cooling Pad

Cooling of AirCon Condenser for Improved Efficiency

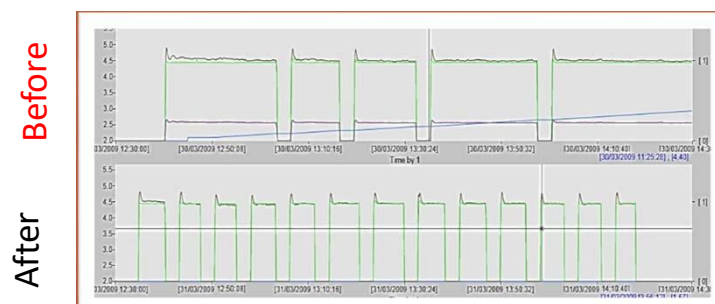


EcoOne S-Type :

EcoOne S-Type is Cooling Pad system for effective Energy Saving solution reducing the temperature of air that cools the condenser coil in Air Conditioning unit.

After installation EcoOne S-Type to the condenser, the outside air stream passes through a wetted surface pad before entering the condensing unit. Then heat from the outside air is absorbed by water evaporation thus cooling the air stream.

The lower temperature air allows the condenser to operate at a lower temperature and pressure. The reduced pressure allows the compressor to pump additional refrigerant and decrease the energy usage





### EcoOne S-Type Component

- 1) Cellulose Pad
- 2) Control Unit
- 3) Water Tank
- 4) Electric Line to Compressor
- 5) Input Water
- 6) Drain Water

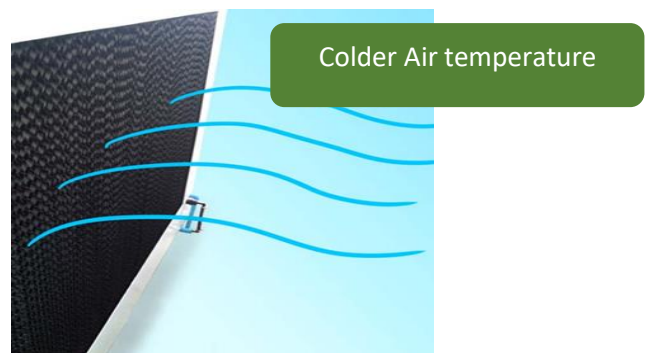


### EcoOne S-Type : How to Save Energy ?

1. Reduce temperature of Condensing unit

EcoOne S-Type will decrease the temperature and pressure of Condensing unit.

The reduced pressure allows the compressor to pump additional refrigerant and decrease the Energy usage.



2. Reduce room temperature (Increase BTU / hr)

The more heat rejecting from condensing unit the better Air room temperature (increase Btu / hr)

Since the efficiency of AirCon increased, so, the thermostat temperature can be adjusted for more Energy saving.

(1 °C increased = 10 % Energy Saving)

3. Reduce Electricity consumption (kwh) of Compressor

With EcoOne S-Type operation, compressor will consume less electricity (kwh) approximately 5 % ASAP.

4. Prevent Dust collecting at Condensing Unit

5. Saving Electricity up to 35% & short Payback Period

### **EcoOne S-Type : Product outstanding features**

1. Built-in Water tank & Water Circulation

EcoOne S-Type use circulation water, so it will help in saving of water resource.

Water Tank has been built-in inside the equipment, no need for external tank.

2. Automatic drain water

Water used can be drained out automatically by time setting up program.

3. High Quality Material

Cellulose Pad from Germany manufacturer with very high quality and evaporation efficiency.

4. Built for any type of Condensing Unit

Since EcoOne S-Type producing is making to Order. So we can produce in dimensions which matching with each Condensing unit size. EcoOne S-Type can be installed with every type Air conditioners brand name and model.

EcoOne S-Type Installation and Testing Examples



➤ Air Con Model: DAIKIN ARU08JYH : 7.5 Tons

Before



1,473 kwh/day

After



1,888 kwh/day

(Save 21.97%)

➤ Air Con Model: DAIKIN RU20NY1S : 200,000 BTU

Before



1,706 kwh/day

After



1,252 kwh/day

(Save 26.6%)

➤ Air Con Model : DAIKIN : 25 Tons

Before



I = 48.6 Amp RH = 41% Temp = 38.9 °C

624 kwh/day

After



I = 46.0 Amp RH = 91% Temp = 25.5 °C

432 kwh/day

(Save 30.77%)

➤ **Air Con Model: DAIKIN ARU10KUYI : 10 Tons**

Before

After



147.75 kwh/day

116.84 kwh/day

(Save 20.92%)

➤ **Air Con Model: CARIER 38RB048SC : 48,000 BTU**

Before

After



83.28 kwh/day

59.66 kwh/day

(Save 28.36%)