

# Auto radiator



## Auto radiator

### **Braze welding auto radiator**

Model: DL-B024

Core Size: 500x397x26

OEM NO.: 96FB8005GD

Applicable auto model: FORD IKON (INDIA) 95-02

### **Auto radiator :**

What is the function of a auto radiator? When you start the automobile, the overheating of engine destroys the automobile. Therefore, there should be a cooling system installed on the automobile to maintain the engine in a suitable temperature range. Auto radiator is the main part of a cooling system. It is designed to protect the engine from destruction caused by overheating. The principle of a auto radiator is using cool air to reduce the temperature of engine coolant. The auto radiator has two key parts: heat sink composed of small flat tube, and overflow tank (on the top, bottom or both sides of the radiator).

When the engine is in the cold clean criticality or the low temperature, the route of engine coolant is a minor cycle. In that case, the coolant does not flow through the radiator. When the coolant temperature arrives in a certain value, the coolant is in a big circulation. It may reduces the time of engine's temperature rising, reduces the energy loss and the metal parts' attrition effectively. The cooling circulation route is controlled by thermostat which is in the lower part of water pump. When the engine coolant temperature arrives to - 358K (85 °C), thermostat valve is open, the engine coolant starts to flow

through the radiator in a big circulation. When the engine coolant temperature arrives to 378K (105 °C), the thermostat valve is open completely, the engine coolant circulation and radiation are strengthened, the engine coolant's temperature rising is also controlled.

If the automobile has a service time five years or above five years, the cooling system maybe has some problems. The automobile has been exposed to environments with salinity, fragment and other chemical materials which do harm to the cooling system for a long time, the metal parts of the auto radiator have been destroyed, the engine overheated, the cylinder maybe exploded. In that case, you need a auto radiator.