



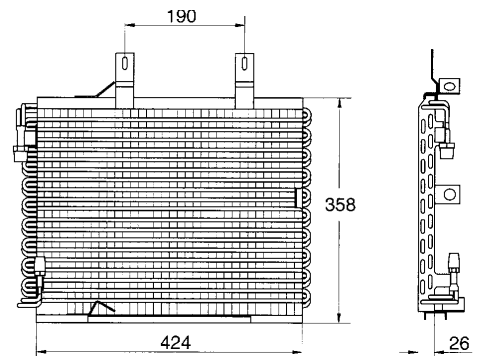
## Condensors

### General

The condenser is required to cool down the refrigerant heated up by being compressed.

### Function

The hot refrigerant gas flows into the condenser at the top transferring heat to the surroundings through the piping and fins. After cooling the refrigerant exits the condenser at the lower connection in a liquid state.



### Effects of Failure

**A defective condenser can be recognised by the following symptoms**

- Poor refrigeration capacity
- Failure of air conditioning
- Condenser fan runs continuously

**Causes for faults can be:**

- Leakage at the connections or from damage
- Poor heat exchange due to contamination

### Diagnostics

**Test steps for troubleshooting:**

- Check condenser for contamination
- Check for leakage
- Check pressure on high and low pressure sides