

REFRIGERANT DISTRIBUTION UNIT FOR AIR-CONDITIONERS

ABSTRACT

A refrigerant distribution unit 10 is an integrated structure comprising: a multiplicity of branch tubes 12a-12c connectable with a multiplicity of indoor units 1a-1c; a distributor 11, connected with one refrigerant tube 5a extending from an outdoor unit for receiving refrigerant from the outdoor unit, the distributor distributing the refrigerant to the multiple branch tubes 12a-12c; and electric valves 15 provided one in each of the branch tubes 12a-12c for controlling the flows of refrigerant that pass through the respective branch tubes; and a case for enclosing the flow control unit. The refrigerant distribution unit 10 enables distribution of optimal amounts of refrigerant to all of the coexisting indoor units 1a-1e, even when the indoor units 1d-1e have much larger heat capacities than the indoor units 1a-1c.

This Sheet Has Been Replaced

