



SECTION 3

AIR FLOW

AIR FLOW

NOTE: In all the following air flow illustrations the white arrow  signifies Pushed Air, while the shaded arrow  signifies Returned Air.

Model 700TR (Figure 3-1)

The temperature for each compartment, or zone, in the 700TR can be independently controlled (up to 3°F colder than the zone above it) by the air baffle/duct divider system. Depending on the different zone requirements, the air baffles in each zone open and close as needed.

Air to the *bottom drawer zone* is directed behind the lower air duct, up the left side and through the air baffle behind the bottom drawer. The air then returns to the evaporator sump area through the vents in the evaporator cover.

Air to the *upper drawer zone* is directed behind the lower air duct, up the left side and through the air baffle behind the upper drawer. Air then returns through an opening in the lower air duct (at bottom right of upper drawer zone), back down behind the right side of the lower air duct to the evaporator sump area.

Air to the *top refrigerator zone* is directed behind the lower air duct, up the left side and continues up behind the upper duct in the top refrigerator zone where it is forced out at the top. The air then returns through an opening at the bottom right hand corner of the top duct, back down behind the right side of the lower air duct to the evaporator sump area.

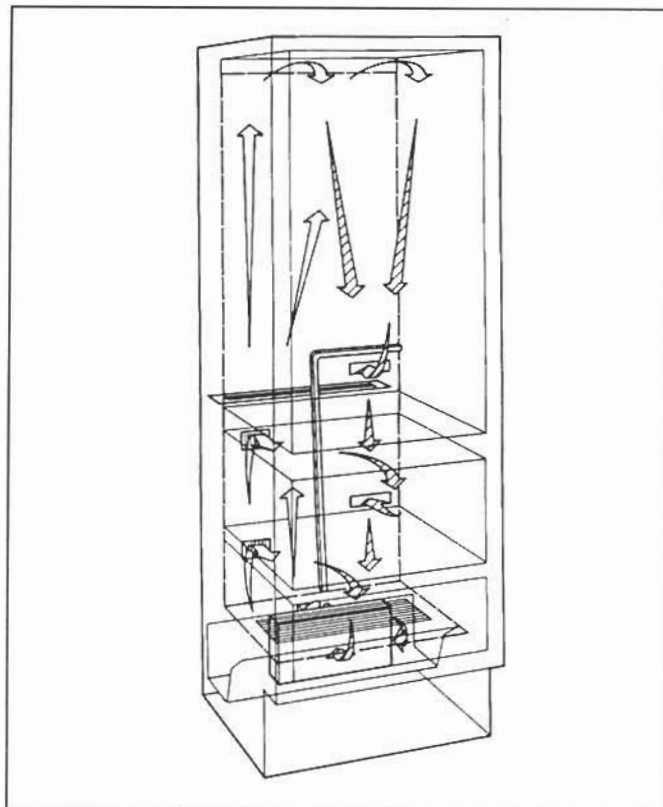


Figure 3-1. Model 700TR Air Flow

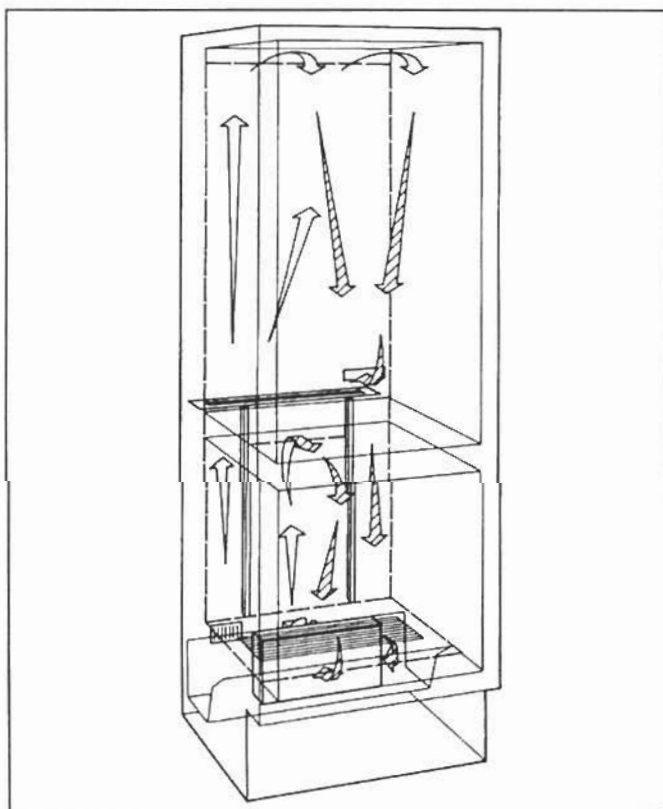


Figure 3-2. Model 700TC/I Air Flow

Model 700TC/I (Figure 3-2)

The *freezer zone* has two vertical duct dividers behind the lower rear duct which separate the air to the refrigerator from air to the freezer.

Air to the *refrigerator zone* is directed through a baffle in the left side of evaporator sump area, then ducted up the left side to the refrigerator compartment. Air travels up behind the back duct in the

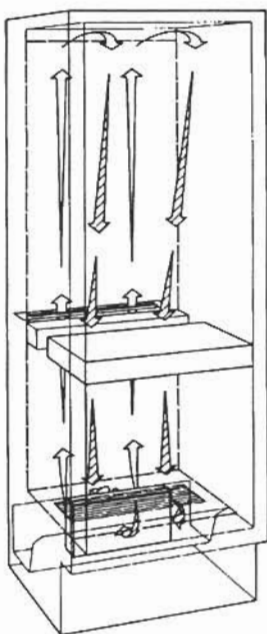


Figure 3-3. Model 700TF/I Air Flow

refrigerator compartment and is forced out at the top. Air then returns through an opening at the bottom right hand corner of the top duct, back down behind the right side of the lower air duct, to the evaporator sump area.

Air to the *lower freezer zone* travels up behind the center of the lower air duct, between the two vertical duct dividers. Air is then forced out at the top of the freezer compartment and returns to the evaporator sump area through the vents in the evaporator cover.

Model 700TF/I (Figure 3-3)

Air travels up behind the lower air duct and then behind the upper air duct where it is forced out at the top in the upper freezer zone. The air drops to the lower freezer zone through the mullion wall vent between the upper and lower compartments. Then the air returns to the evaporator sump area through the vents in the evaporator cover.

Model 700BR (Figure 3-4)

Air to the upper drawer zone travels up behind the left hand side of the rear duct and is forced out at the top. Air is then returned to the sump area,

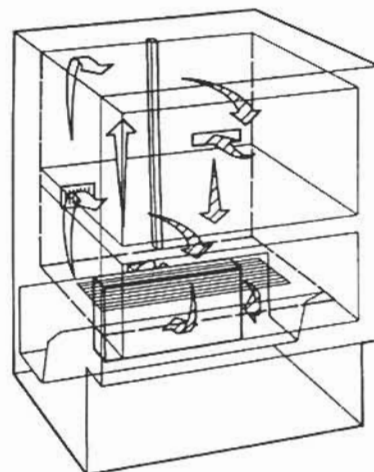


Figure 3-4. Model 700BR Air Flow

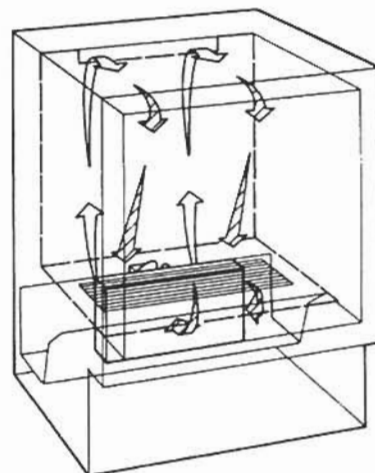


Figure 3-5. Model 700BF/I Air Flow

through the opening at the bottom right of the upper drawer zone.

Air to the lower drawer zone travels up behind the left hand side of the rear duct where the air baffle opens and closes as needed. The air then returns to the sump area through the evaporator cover.

Model 700BF/I (Figure 3-5)

Air travels up behind the air duct and is then forced out at the top of the freezer zone. The air then returns to the evaporator sump area through the vents in the evaporator cover.