

PARTS AND FEATURES

SPECIAL FEATURES

1 CONTROL PANEL LED DISPLAY SCREEN
Simple electronic controls are user-friendly. The LED screen shows refrigerator and freezer temperatures, displays water filter status, dispenser information, and more.

2 ICE PLUS
When this feature is activated, the freezer section will run at the coldest temperature for a 24-hour period to increase ice production.

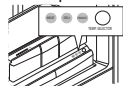
3 FILTERED WATER AND ICE DISPENSER
The water dispenser offers fresh, chilled, filtered water through the door. The ice dispenser offers cubed or crushed ice.

4 DOOR ALARM
A warning alarm sounds at 30-second intervals when the refrigerator or freezer door is left open for more than 60 seconds.

5 SPACEPLUS ICE SYSTEM
The icemaker automatically produces 80–130 ice cubes in a 24-hour period to keep the ice dispenser fully supplied. The in-door design creates more shelf space.

6 CRISPERS
LG's crispers preserve humidity and help vegetables stay crisp.

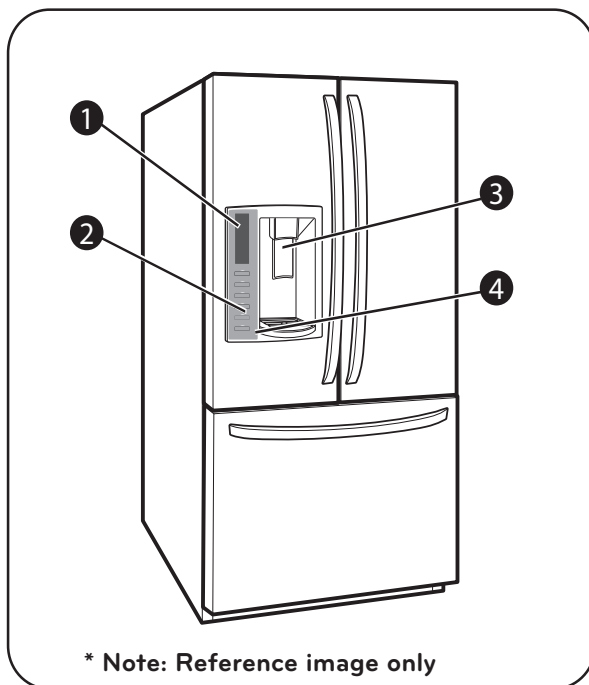
7 GLIDE'N'SERVE (In some models).
Provides storage space with a variable temperature control that keeps the compartment colder than refrigerator.



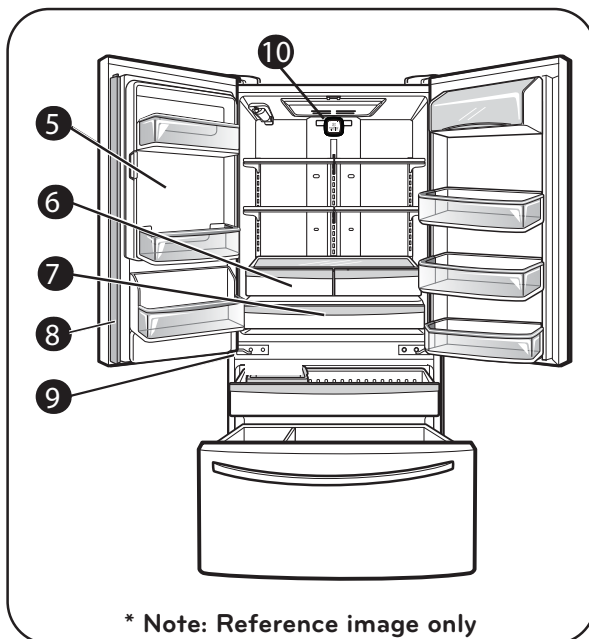
8 MULLION
The door mullion folds in when the left door is opened.

9 AUTO CLOSING HINGE
When you slightly push the door of the refrigerator, it is automatically closed. (The door is automatically closed within 30° of the opening angle.)

10 FRESH AIR FILTER
The Air Filter helps remove odors from the refrigerator.



* Note: Reference image only



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NOTE: This guide covers several different models. The refrigerator you have purchased may have some or all of the items listed below. The locations of the features shown below may not match your model.

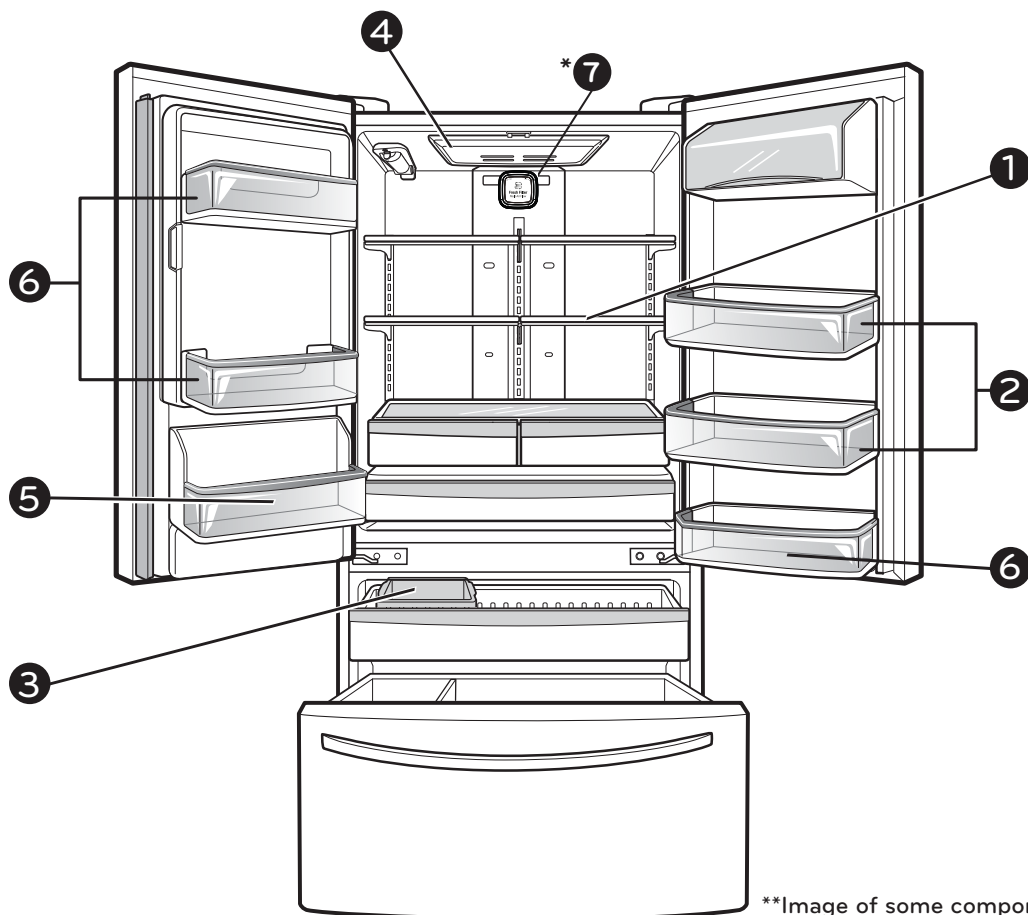
PARTS AND FEATURES

KEY PARTS AND COMPONENTS

In addition to the special features and components outlined in the **Special Features section**, there are several other important components that are referenced in this manual.

- 1 ADJUSTABLE REFRIGERATOR SHELVING**
The refrigerator compartment shelves are adjustable to allow flexibility for storage needs.
- 2 GALLON STORAGE BINS**
Three interchangeable bins can be arranged to suit your storage needs.
- 3 REMOVABLE ICE STORAGE BIN**
The ice storage bin can be removed to fill ice buckets, coolers, or pitchers.

- 4 LED INTERIOR LAMPS**
Refrigerator interior is lit by the LED array.
- 5 CAN STORAGE BIN**
- 6 FIXED DOOR BINS**
- * 7 FRESH AIR FILTER (on some models)**
The Fresh Air Filter helps remove odors from the refrigerator.



**Image of some components may vary by model

CONNECTING THE WATER LINE

BEFORE START

The water source is not guaranteed by the refrigerator manufacturer. Follow instructions carefully in order to reduce damage.

Air located inside the water pipes can cause hammering or tapping causing damage to the inner pipes or water spillage in the inside of the refrigerator. Call a qualified plumber to fix such hammering on the connections before installing the water pipe.

To avoid burn damage or such, never connect refrigerator to hot water pipes.

If you are to use the refrigerator before connecting it to the water source, make sure the ice maker is the off position.

Never attempt to install the ice maker pipes in areas where room temperature is below freezing point.

When using any electrical device (like a drill) during the installation, make sure device is doubly isolated or making ground to prevent risk of electrical surge or discharge.

All installations should be done considering local water and drainage requirements.

- If an inverted osmosis water filtration system is connected to the cold water source, the water hose installation is not assured or guaranteed by the refrigerator or automated ice maker manufacturer. Follow the next instructions carefully to minimize costly water related damages.
- When having an inverted osmosis water filtration system connected to the cold-water flow, the water pressure for such system must be at least between 40-60 PSI or 0,27 MPa (2,8 kg · f / cm² ~ 4,2 kg · f / cm², (2,8 kg · f / cm² ~ 4,2 kg · f / cm², less than 2 ~ 3 seconds to fill a 7 oz of capacity cup [0,2 liters]).
- If the inverted osmosis water filtration system pressure is less than 21 PSI or 0,14 MPa (1,5 kg · f / cm², more than four (4) seconds to fill a 7 oz of capacity cup [0,2 liters]):
 - a) Identify if the sediments filter in the inverted osmosis system is being blocked. Replace filter if necessary.
 - b) Allow inverted osmosis system storage tank to refill after extensive usage.
 - c) Call a qualified plumber if the inverted osmosis water pressure problem continues.

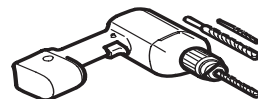
REQUIREMENTS

- **1/4in (6,35 mm) in diameter copper pipe** to connect refrigerator to the water pipe. Make sure both terminals are cut in squared manner.



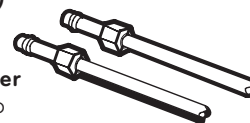
To determine how much pipe material is needed, measures the distances between the valves located behind the refrigerator and the source of water and add to that 8 feet (2,4 m). Make sure there is sufficient pipe material to allow the free movement of the refrigerator from the wall

- **A cold water source.** Water pressure should be between 0,138 and 0,82 MPa or 20 and 120 PSI for models not containing water filter and between 0,276 and 0,82 MPa or 40 and 120 PSI for models containing water filter.



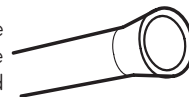
- **A drill.**
- **Adjustable 1/2 in (12,7 mm) key.**

- **Flat and Phillips style (star) screwdriver.**

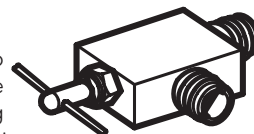


- **Two 1/4 in (6,35 mm) diameter compression nuts** with two sides to connect the copper pipe to the refrigerator valve.

If your current copper pipe has some reduction on the ends, it will be necessary to get an adaptor (found in hardware stores) to connect the water line to the refrigerator. It is also possible to cut such reductions with a pipe cutter and use the compression connections mentioned above.



- **Bypass valve** to connect to the cold water line. The valve must have a water opening with an interior 5/32 in (3,46 mm) diameter in the cold-water connection point. These valves can be located in any cold-water connection package. Before buying make sure such valve meets local standards and requirements.



INSTALLATION INSTRUCTIONS

Install the valve to the pipe that you use to drink water. (Connect only to a potable water source).

⚠ CAUTION: Connect to potable water supply only.

1. CLOSE THE MAIN WATER SOURCE

Open the nearest water faucet to let water flow and empty pipes.

2. SELECT THE LOCATION OF THE VALVE

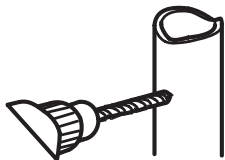
Select the location of the valve that will provide a better access. It is best to connect to a vertical pipeline. When connecting to a horizontal pipeline is necessary, make the connection in the lateral or upper area instead of the lower area to prevent accumulation of sediment.



CONNECTING THE WATER LINE

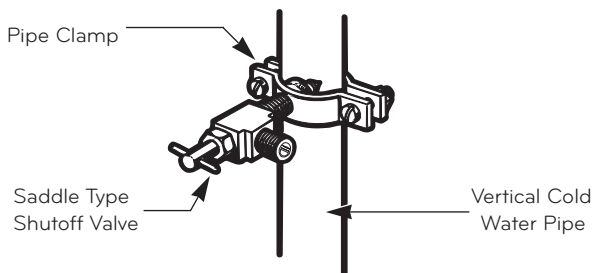
3. DRILL A HOLE FOR THE VALVE

Drill a 1/4" (6,35 mm) diameter hole in the water pipeline. Remove jagged edges produced after perforation. Make sure water does not reach the drill. Not performing the 1/4" (6,35 mm) perforation can lead to a low or smaller ice production.



4. TIGHTEN THE VALVE

Tighten the valve into the cold water pipeline with a tube trap.

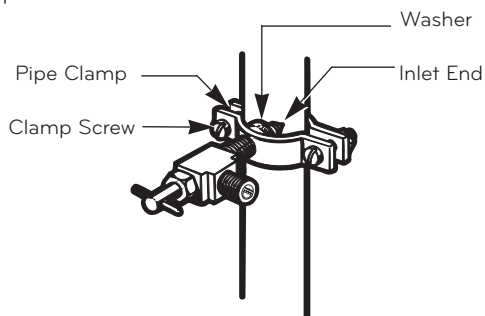


NOTE: Codes for 248 CMR pipelines of the state of Massachusetts must be attached to the connection. Valves of this type are banned in Massachusetts. Call an authorized plumber.

5. TIGHTEN THE TRAP

Tighten the trap until the sealing ring begins to grow.

NOTE: Make sure it is not too tight, this can break the pipe.



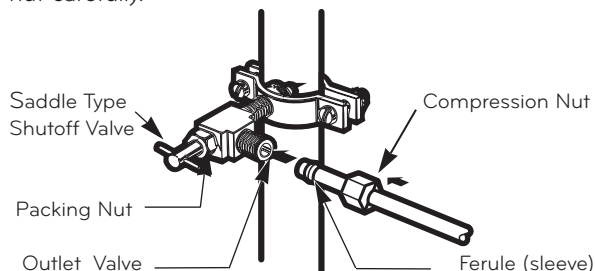
6. PLACE THE PIPELINE

Place the pipeline between the cold water pipe and the refrigerator. Place it through a hole in the wall or floor (behind the refrigerator or next to the cabinet) as close to the wall as possible.

NOTE: Make sure there is a sufficient amount of extra pipeline (8 feet [244 mm] coiled up three times with a 10" [25 cm] in diameter) to allow free movement of the refrigerator from the wall after installation was made.

7. CONNECT PIPELINE TO VALVE

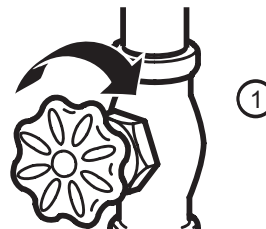
Place the compression nut and the copper pipe ferule at the end of the pipe and connect to the valve. Make sure the pipe is completely inserted into the valve. Tighten nut carefully.



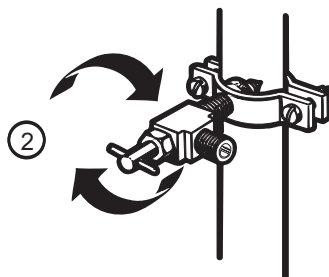
NOTE: Codes for 248 CMR pipelines of the state of Massachusetts must be attached to the connection. Valves of this type are banned in Massachusetts. Call an authorized plumber.

8. DRAIN THE PIPE

Open the main water source (1) and drain the pipe until water comes out clear.



Allow water flow from the bypass valve (2) and close after draining 1/4 of a gallon (1L) of water.



9. CONNECT PIPE TO REFRIGERATOR

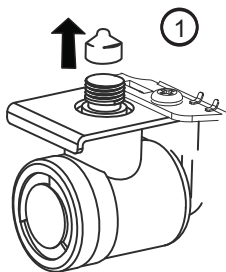
NOTES:

- Before making connection to refrigerator, make sure it is not connected to any energy source. If your refrigerator does not have a water filter, it is advised to install one.
- If your water source contains sand or related particles that can travel to the valve, install a water filter near the refrigerator.

IMPORTANT: Never use old or used hoses. Always use new ones to have a better use and experience. Connect always to a potable water source to avoid security and health issues.

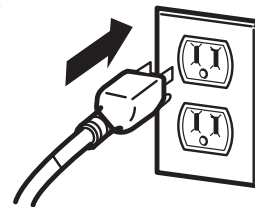
CONNECTING THE WATER LINE

- Remove the ring plug (1) from the valve located at the top of such device.



11. CONNECT TO REFRIGERATOR

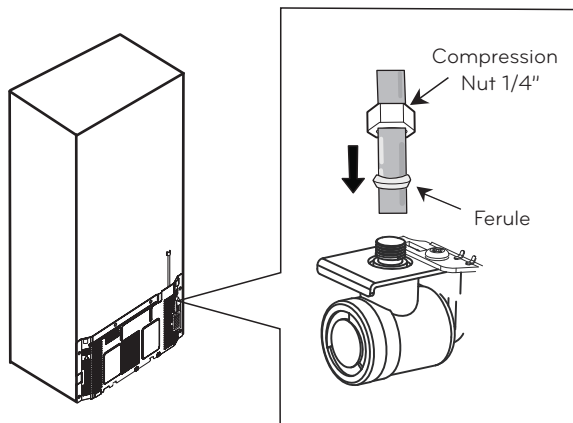
Fix pipeline in a way that it does not vibrate on the refrigerator or wall. Push refrigerator against wall.



12. TURN ICE MAKER ON

Turn ice maker switch into the **ON** position. Ice maker will start only after reaching its operating temperature of 15 °F (-9 °C) or less. It will automatically begin the ice production if switch is located in the **ON** position.

- Place compression nut and the ferule at the end of the pipeline. Insert pipeline into the connection valve as far as possible. Hold tightly while holding pipeline.



Hold on to the pipe from the handles or grabbers located behind the refrigerator, loosening first the bolt holding the handle. Afterwards, insert pipe into the hole and tighten bolt to finalize.

10. OPEN THE BYPASS VALVE

Tighten all connections containing leaks. Place access cover back on compressor.

