INSTALLATION INSTRUCTIONS

ActiveSmart[™] Slide-in refrigerator

RS90A and RS90AU models

NZ AU GB IE EU AE HK SG IN

Fisher&Paykel

www.fisherpaykel.com

839137 A 02.15



This refrigerator contains flammable refrigerant isobutane (R600a).

A WARNING!



Electric Shock Hazard Read and follow the safety and warnings outlined in this installation guide before operating this appliance. Failure to do so can result in death, electric shock, fire or injury to persons.

A WARNING!



Cut Hazard

Take care – panel edges are sharp. Failure to use caution could result in injury or cuts.

A WARNING!



- This appliance is top-heavy and must be secured to prevent the possibility of tipping forward.
- To ensure that the appliance is stable under all loading conditions, the anti-tip bracket supplied can be installed according to the following installation instructions.

Please follow the installation steps below to ensure your appliance is installed and operates correctly.

Power

- The appliance must be installed so the plug is accessible.
- To ensure that the appliance is not accidently switched off, connect your refrigerator to its own isolating switch. Do not plug in any other appliance at this isolating switch.
- For power requirements, refer to the information on the serial plate. This is located at the front right-hand side of the drawer when open.
- It is essential that the appliance is properly grounded (earthed).
- Connect the appliance to the electrical supply (220V 240V 50Hz) with the fitted plug and lead.
- Connections to the mains supply should be in accordance with local regulations.

Location

- Your refrigerator should not be located in direct sunlight or next to any heat generating appliance such as a cooktop, oven or dishwasher.
 - This appliance is intended to be used in household and similar applications such as
 - Staff kitchen areas in shops, offices, and other working environments;
 - Domestic farm houses and by clients in hotels, motels and other residential type environments;
 - Domestic bed and breakfast type environments;
 - Domestic catering and similar non-retail/non-commercial applications.

Ice & Water models only

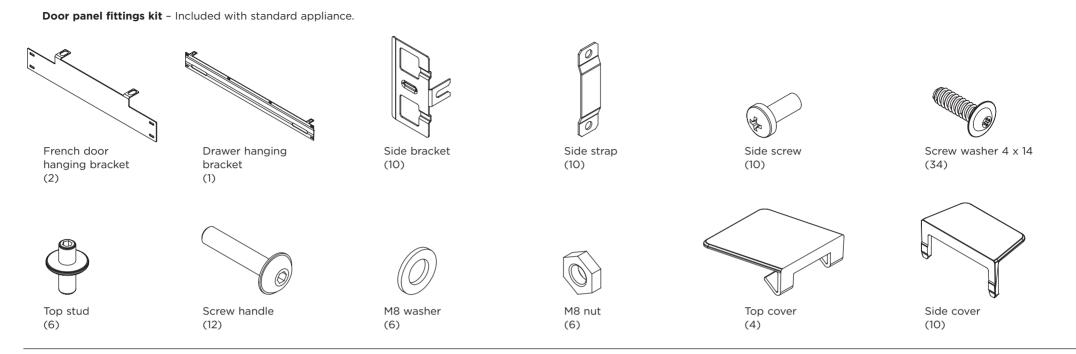
- Your Ice & Water refrigerator must be installed by an authorised plumber or Fisher & Paykel Authorised Repairer as incorrect plumbing can lead to water leaks.
- Fisher & Paykel Appliances does not accept responsibility for damage (including water damage) caused by faulty installation or plumbing.

Optional accessories kit

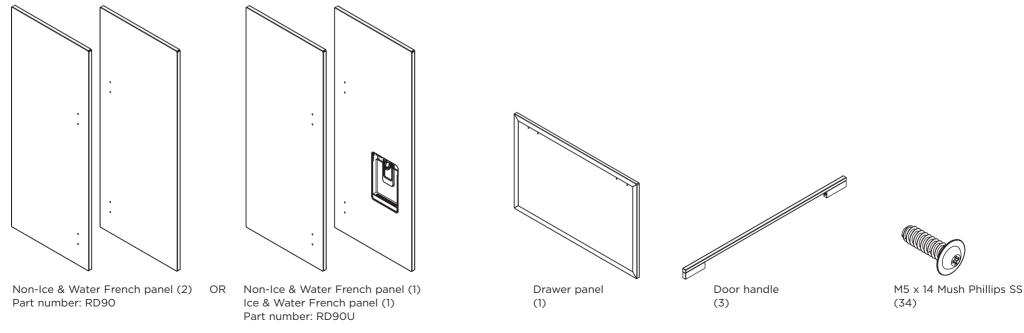
- The standard appliance does not include door panels. To complete the integrated appliance the customer should supply their own. All the hardware required to mount these door panels to the refrigerator doors is supplied.
- When designing custom door panels, these are only available for non-Ice & Water models.
- Standard Fisher & Paykel kits are available (EZKleen stainless steel door panels, part numbers: RD90U or RD90), and can be purchased through Fisher & Paykel Customer Care Centre or online at www.fisherpaykel.com (this service is available to selected markets only).

IMPORTANT! SAVE THESE INSTRUCTIONS

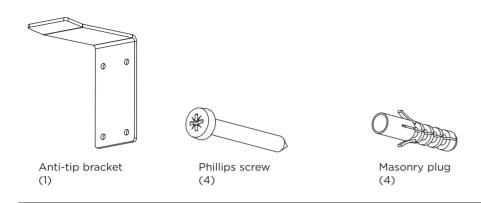
The models shown in this installation guide may not be available in all markets and are subject to change at any time. For current details about model and specification availability in your country, please go to our website www.fisherpaykel.com or contact your local Fisher & Paykel dealer.



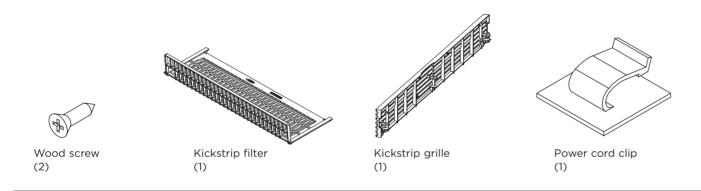
Optional accessories kit - The standard appliance does not include door panels. Standard Fisher & Paykel kits are available (EZKleen stainless steel door panels), when designing custom door panels, these are only available for non-lce & Water models.



Anti-tip bracket kit - Included with standard appliance.



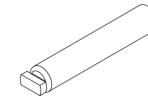
Product kit - Included with standard appliance.



Ice & Water kit - Included with standard Ice & Water models only.



(1)



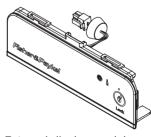
Water filter cartridge (1) Part number: 839041

Filter cartridge tool

(1)

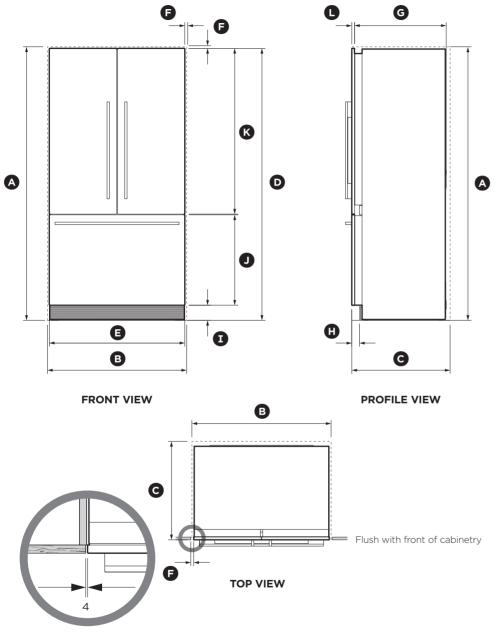


Adaptor tap ¼" OD x ½" BSP thread (1)



External display module (1)

PRODUCT AND CAVITY DIMENSIONS WITH STANDARD DOOR PANELS



Note: shown with Standard Fisher & Paykel door panels (EZKleen stainless steel) attached to fridge.

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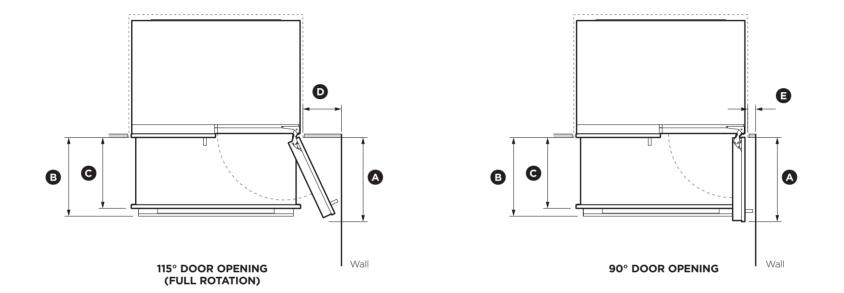
Total front panel width with required gaps at sides = 904 mm (E product width + 2 x F cabinetry gaps).

For flush cabinet situation where the gap cannot be shared between the fridge and adjoining cabinet, make the cavity width 904 mm and open totally within itself.

Total front panel height with required gap above = 1802 mm

	RS90A RS90AU
PRODUCT DIMENSIONS	mm
Overall height of product*	1798
(E) Overall width of product	896
(F) Minimum cabinetry gap clearance from edge of product	4
Overall depth of product (excluding front door panels)	606
(H) Depth of toe-kick (measured from front of door panels)	50
(1) Height of grill/toekick*	100
 Height of bottom drawer panel 	598
(K) Height of top door panels	1096
(Depth of product front panels (excludes handles)	18

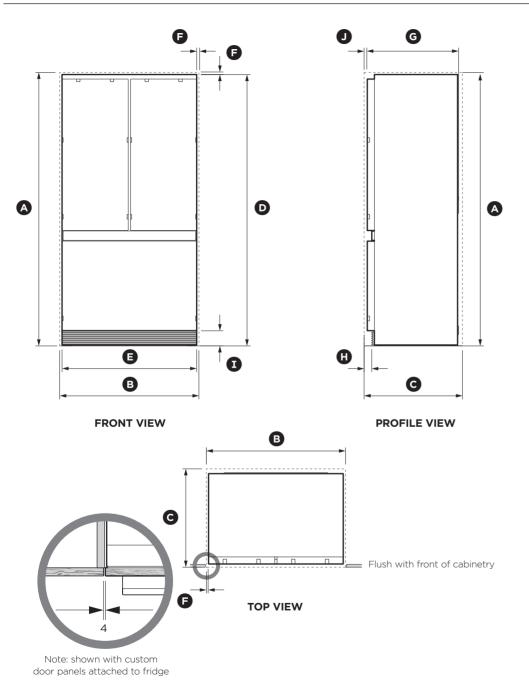
* Includes mounted feet



	RS90A RS90AU
DOOR CLEARANCE DIMENSIONS	mm
Depth of door (widest opening) measured from front of door	445
Depth of drawer (open) measured from front of drawer, including handle	400
© Depth of drawer (open) measured from front of drawer, excluding handle	360
Minimum door clearance to adjacent wall* (115° - full internal access)	
(E) Minimum door clearance to adjacent wall* (90° - reduced internal access)	100

* Measured from front cabinetry edge, includes 2 mm cabinetry gap.

5 PRODUCT AND CAVITY DIMENSIONS WITHOUT DOOR PANELS



	RS90A
CAVITY DIMENSIONS	mm
Overall height of cavity	1800
 Overall width of cavity when adjoining cabinetry can share 4 mm door gap when adjoining cabinetry cannot share 4 mm door gap 	900 904
© Overall depth of cavity	650

Total front panel width with required gaps at sides = 904 mm (E product width + 2 x F cabinetry gaps). For flush cabinet situation where the gap cannot be shared between the fridge and adjoining cabinet, make the cavity width 904 mm and open totally within itself.

		RS90A
PR	ODUCT DIMENSIONS	mm
D	Overall height of product*	1798
E	Overall width of product	890
F	Minimum cabinetry gap clearance from edge of custom product**	4
G	Overall depth of product (excluding front door panels)	606
Э	Depth of toe-kick (measured from front of door panels)***	50
I	Height of grill/toekick*	100
J	Depth of product front panels (excludes handles)***	18

* Includes mounted feet and top brackets.

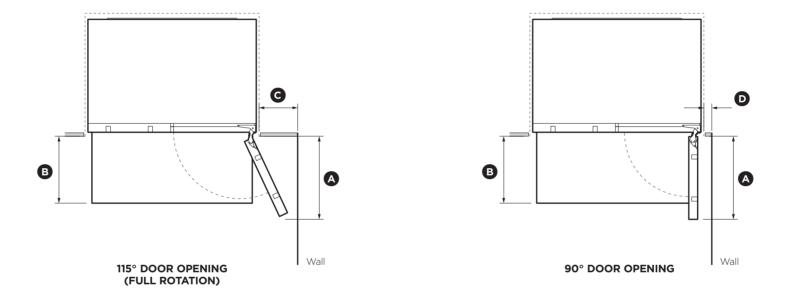
** For custom door panel dimensions refer to 'Custom door panel dimensions' page.

***Door panels to be manufactured and fitted by cabinetmaker, max. thickness 18 mm.

RS90A model shown only.

When designing custom door panels, these are only available for non-Ice & Water models.

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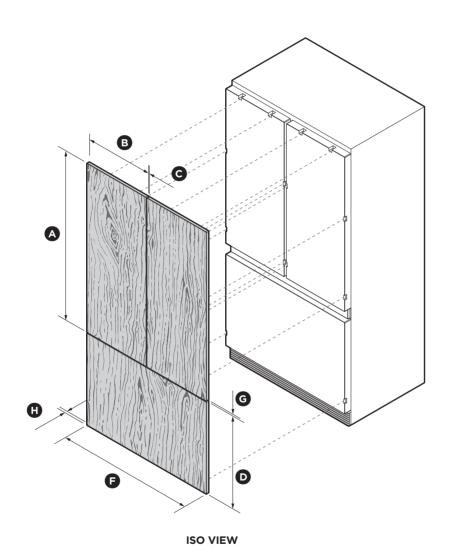


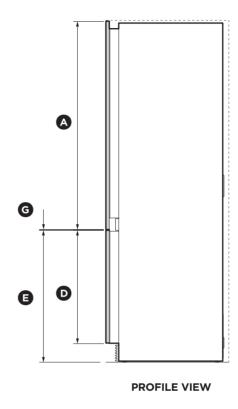
	RS90A
DOOR CLEARANCE DIMENSIONS	mm
Depth of door (widest opening) measured from front of cabinetry	445
B Depth of drawer (open) measured from front of cabinetry*	338
© Minimum door clearance** to adjacent wall (115° - full internal access)*	300
Minimum door clearance** to adjacent wall (90° - reduced internal access)*	100

* Does not include the custom door panels or handles to be manufactured and fitted by cabinetmaker.

** Measured from front cabinetry edge, includes 2 mm cabinetry gap.

When integrating your non-Ice & Water refrigerator with custom door panels, please follow the installation instructions provided with the integrating parts.





	RS90A
CUSTOM DOOR PANEL DIMENSIONS	mm
(A) Height of top door panel	1096
B Width of top door panel	446
© Gap between top door panels	4
Height of bottom drawer panel	598
E Height from bottom of product to top of bottom drawer panel	698
(F) Width of bottom drawer panel	896
© Gap between top door panels and bottom drawer panel	4
(i) Maximum depth of custom panels	18
Maximum weight of an individual top door panel	10 kg
Maximum weight of bottom drawer panel	9.5 kg

RS90A model shown only.

When designing custom door panels, these are only available for non-Ice & Water models.

Custom door panels and handles to be manufactured and fitted by cabinetmaker.

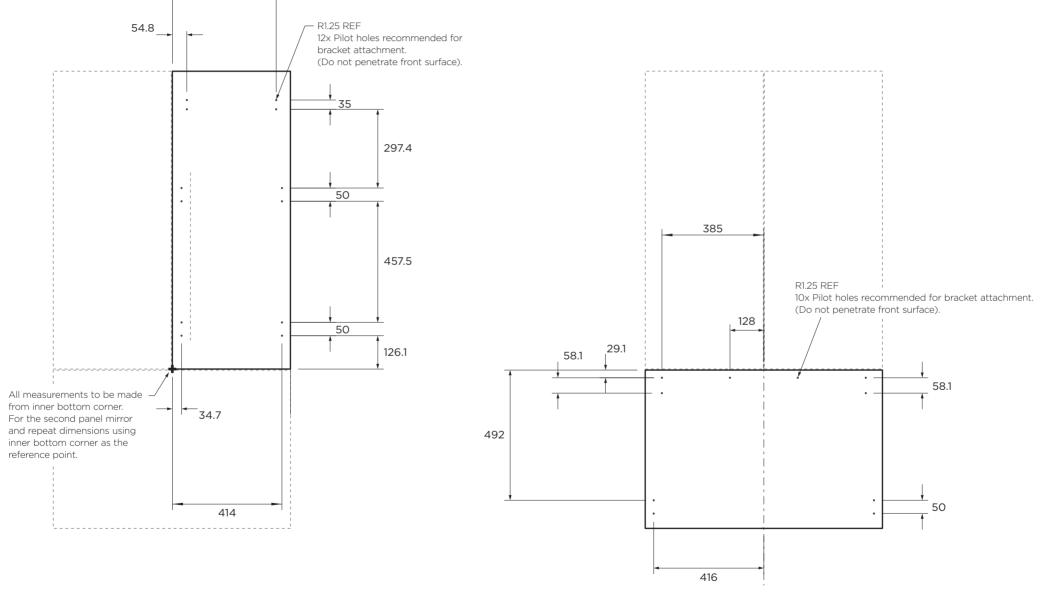
The following drawings apply to non-Ice & Water models only. Dimensions are shown in Metric (mm) and apply for the preparation and installation of custom door panels. For Dwg and Dxf files of the below panel preparation download the folder on http://thekitchentools.fisherpaykel.com

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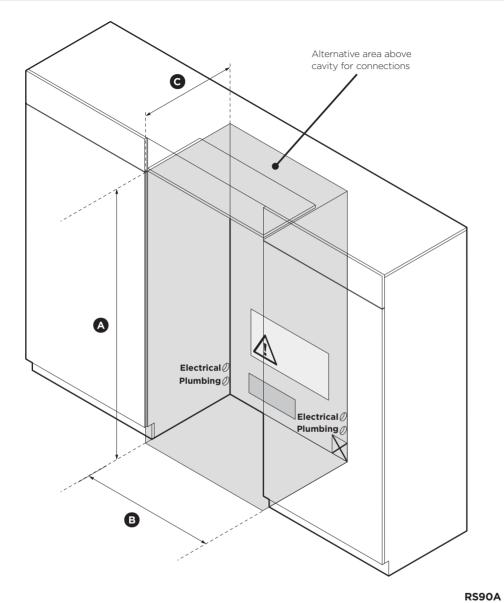
Handle Details

Top Panel – Ensure handle is mounted 65.03 mm from inner edge of panel to the centre – this will avoid interference with brackets.

Bottom Panel – Ensure handle screw heads are counter sunk into back of panel to avoid interfering with hanging bracket.



TOP PANEL - REAR VIEW



Left side of cavity					
Floor		Optional electrical and water connection location*	130	100	100
1-1001	145	- 355	72	·	

REAR VIEW OF CAVITY

	RS90A	RS90AU
ELECTRICAL SPECIFICATIONS		
Supply	230 VAC, 50 Hz	230 VAC, 50 Hz
Service	10 amp circuit	10 amp circuit
PLUMBING SPECIFICATIONS		
Supply	-	½" BSP threaded water connection 6.35 mm PEX tubing
Pressure		Minimum 22 psi (150 kPa) Maximum 120 psi (827 kPa) @ 20°C

Note: recommended that the electrical & water connection be located in an adjacent cabinet to either side of the fridge or above the fridge cavity.

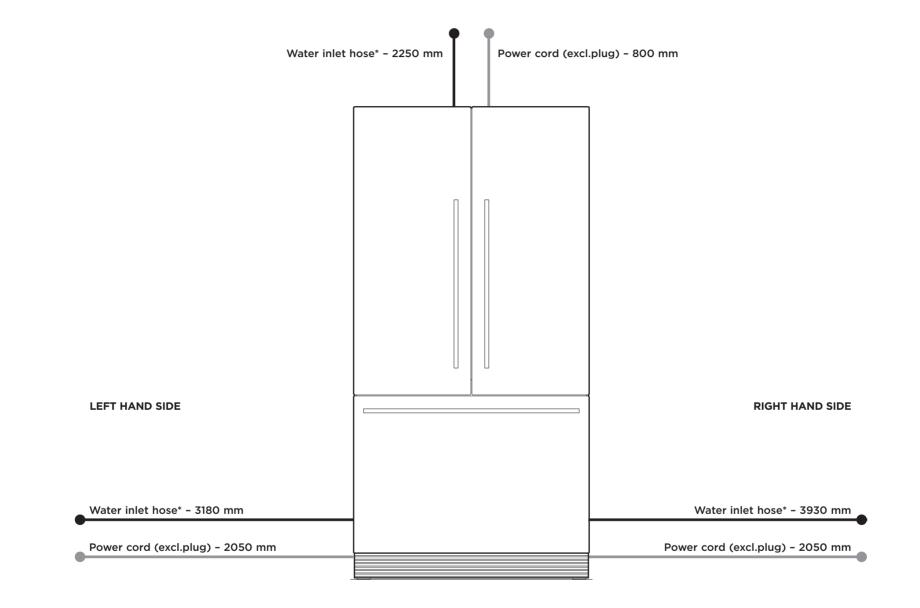
X Do not locate water or electricity in this area, keep clear of connections.

A CAUTION: central area can only fit water outlet and electrical plug if they are placed within a recessed cavity.

* In this location the water tap needs to be recessed into the wall, the recess must allow for an 80 mm bend radius for the water tube.

		RS90AU
CAVITY DIMENSIONS		mm
(A) Overall heigh	nt of cavity	1800
Overall widt	h of cavity	900
© Overall dept	h of cavity	650

MAXIMUM DISTANCE OF HOSES AND CORD



10 ANTI-TIP BRACKET INSTALLATION

Safety requires refrigerators be stable when doors and/or drawer, are open. Depending on your installation enclosure, an anti-tip bracket may need to be fitted if the ceiling/cabinetry above the enclosure is not secured to the wall (to withstand a 100 kg load). This will prevent the possibility of the appliance tipping forward, when doors and/or drawer, are open.

IMPORTANT!

When fastening with masonry plugs and/or screws:

- Ensure the screws avoid electrical, gas and water conduits.
- Ensure the surface the bracket is fastened to withstand a 100 kg load.
- Ensure light-weight masonry material such as cinder block and new concrete (no curing time) are not used in installation.
- Do not use metallic materials that may corrode, stain and/or damage the enclosure.

WOODEN WALL INSTALLATION

- Project the top front edge of the finished enclosure to the centre of the back wall, this will locate the top of the antitip bracket (refer to A). Ensure a structural beam/wall stud closest to the centre of the wall enclosure is located.
- **1** Project the top front edge of the finished enclosure to the centre of the back wall, this will locate the top of the anti-

tip bracket (refer to A).

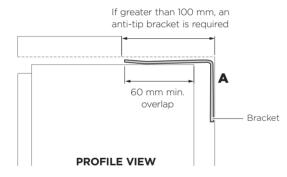
SOLID WALL INSTALLATION

2 Mark screw locations to drill Ø6.0 mm x 35 mm deep holes.

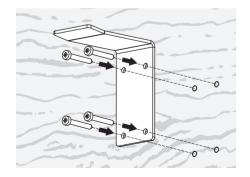
SPACER INSTALLATION

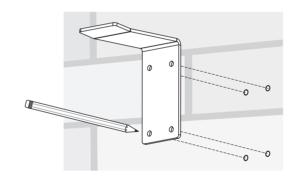
If a minimum 60 mm overlap cannot be achieved we recommend fastening a solid spacer (wooden beam etc.) behind the bracket.

1 Ensure the length of the spacer corresponds to the enclosure's width. Always secure the spacer to existing studs on the enclosure wall.

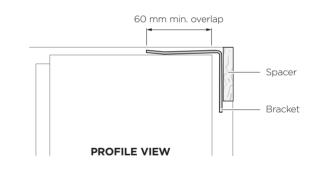


2 Fix bracket to the wall with Phillips screws x 4. Ensure screws hold tight and the bracket overlaps the appliance when it is positioned (60 mm min.) for a secure hold.

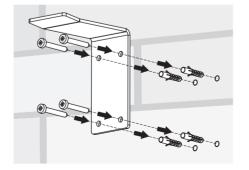




3 Hammer masonry plugs into the wall until flush. Fix bracket to the wall with Phillips screws x 4. Ensure screws hold tight.



2 Fix bracket to the spacer with Phillips screws x 4. Ensure screws hold tight and the bracket overlaps the appliance when it is positioned (60 mm min.) for a secure hold.



IMPORTANT!

- The water connection to your Ice & Water refrigerator must be installed by an authorized plumber or Fisher & Paykel Authorised Repairer.
- The water connection instructions below are intended only for the professional installer. ٠
- Use only the new tubings supplied with the refrigerator. Old tubings should not be used.
- DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. •
- WARNING connect to potable water supply only. •
- DO NOT install on line pressure above 120 psi (827 kPa) or below 22 psi (150 kPa).
- ٠ DO NOT use on hot water supply (100°F [38°C max.]).
- AVOID contamination of pipes during installation. ٠

- - **3** Secure connection by attaching the locking key in between the faucet connection and locking collet.

4 Fasten the faucet connection to the cold water supply tap. Take care not to over-tighten the tap connection.

Note: the faucet connection supplied should fit most installation situations.

Turn isolating tap on and check that all connections are dry and free of drips.

1 Ensure the refrigerator is NOT plugged into a power supply.

> Locate isolation tap for water connection - cold water supply only. Tee and tap fitting not supplied.

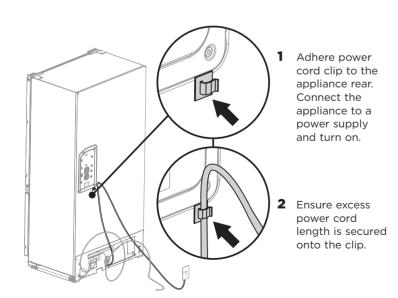
2 Uncoil the tubing from the back of the product. Firmly insert tubing to faucet connection. The tube should push in at least 16 mm before reaching the stop.

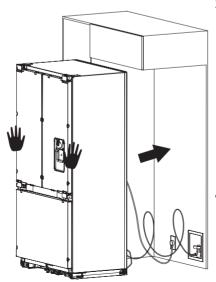
Pull gently on tubing to ensure it is locked in.



INSTALLING YOUR APPLIANCE

- Your product is fitted with front and rear rollers designed for moving the product in the forwards and backwards direction. ٠
- Avoid moving the product in a sideways direction as this may damage the rollers or the floor covering/surface.



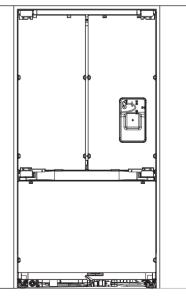


3 Gently push the appliance into the enclosure. Take care not to roll over or damage power cord and/or water tubing.

IMPORTANT!

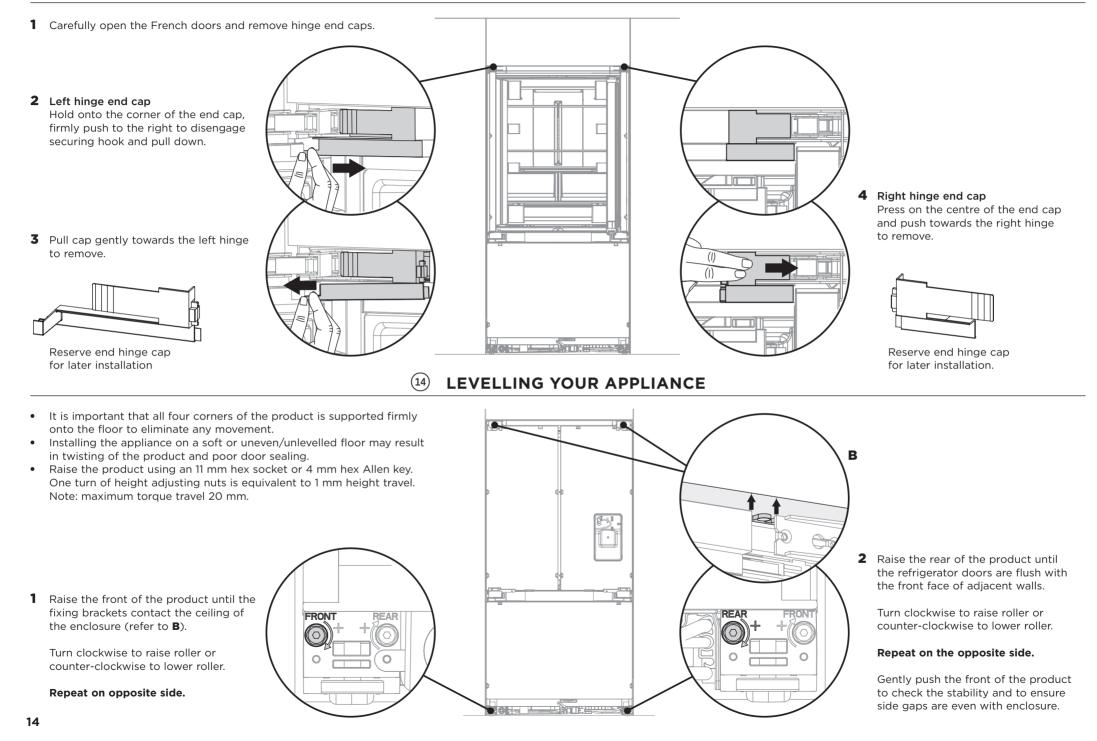
Ensure water tubing is routed away from any sharp objects, sharp corners (beware of kinking the tube as this will stop water flow), and not in a location where it can be kinked or squashed.

4 Ensure a firm contact is observed as the appliance engages the anti-tip bracket (60 mm min. overlap).



5 Centre the appliance within the alcove, using the adjacent walls as a guide.

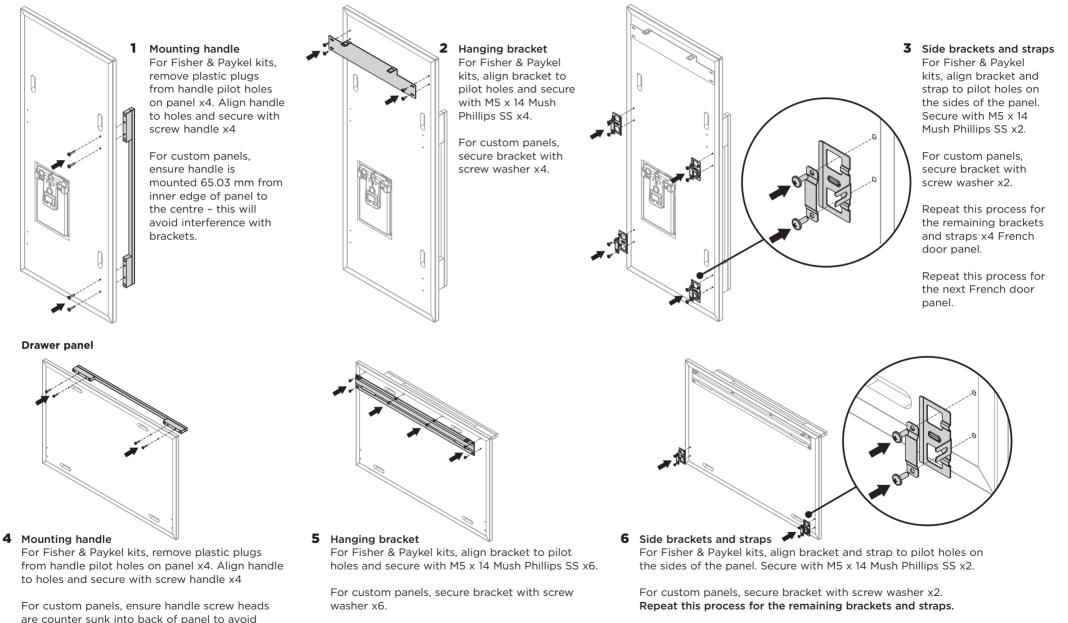
13 REMOVING HINGE END CAPS



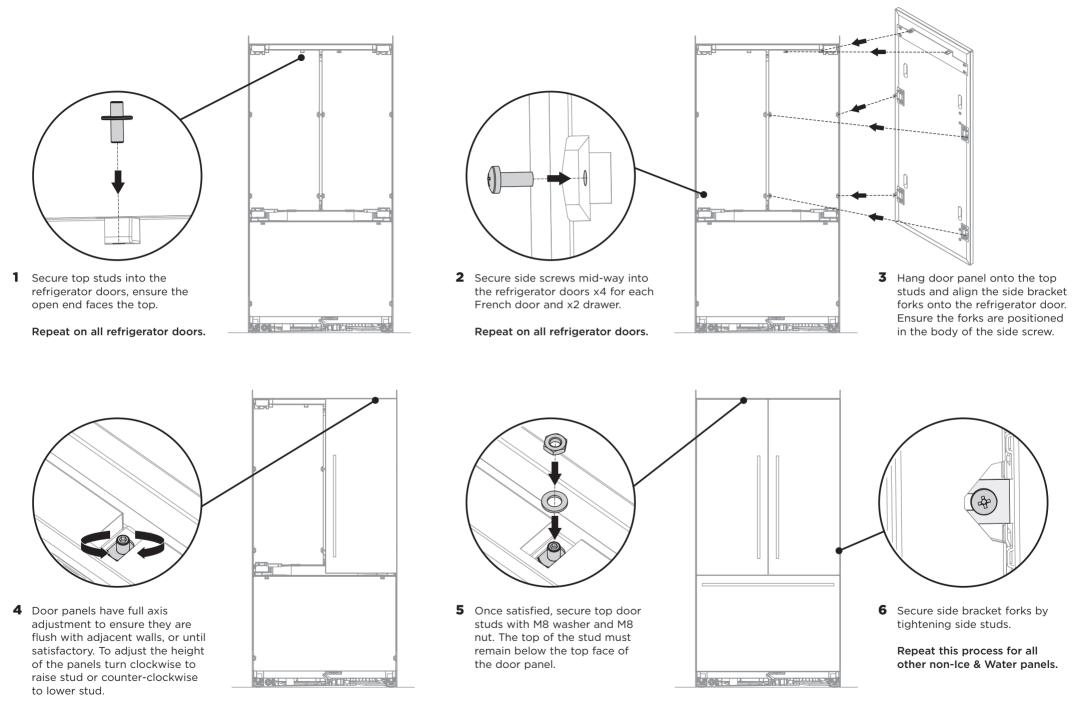
- Ensure door panel dimensions are correct for your appliance.
- The assembly of standard Fisher & Paykel kits (EZKleen stainless steel door panels) and custom door panels are outlined below. For standard Fisher & Paykel kits, only remove the protective film for handle installation. This will protect the finish of the door panels until installation is complete.

French door panel

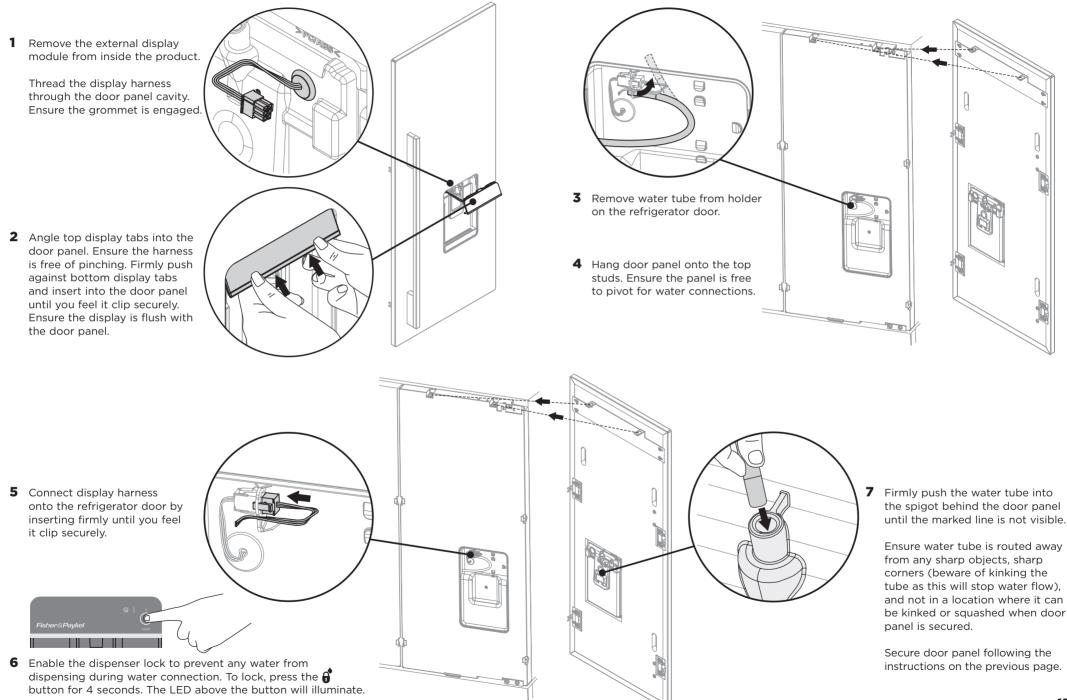
interfering with hanging bracket.



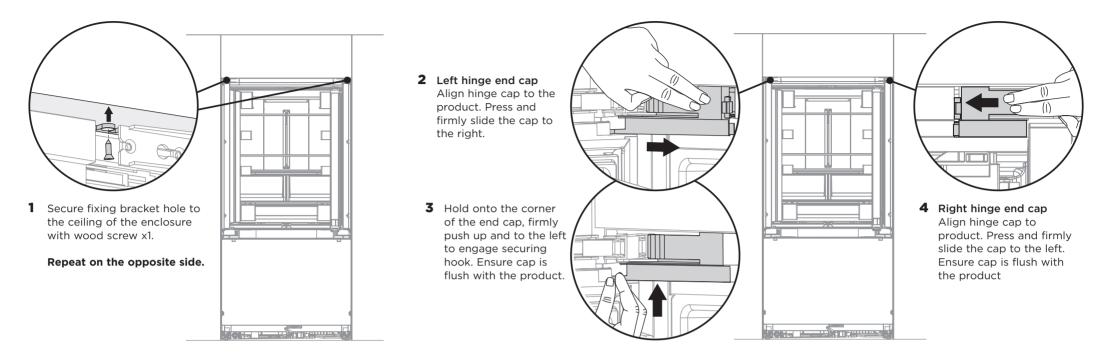
(16) HANGING DOOR PANELS



17 HANGING DOOR PANELS (ICE & WATER MODELS ONLY)



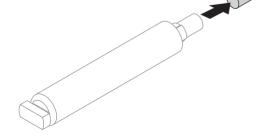
18 FIXING BRACKETS AND REPLACING END HINGE CAPS



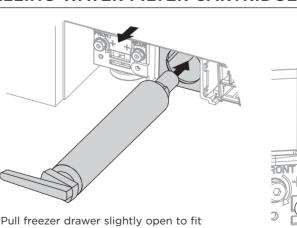
19 INSTALLING WATER FILTER CARTRIDGE (ICE & WATER MODELS ONLY)

IMPORTANT!

The water filter head must be firmly pushed into the product and secured, incorrect installation can lead to water leaks.



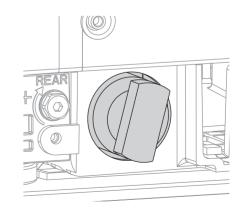
1 Remove the red protective cap on the spigot head.



2 Pull freezer drawer slightly open to fit filter cartridge tool.

Align the filter cartridge tool over the filter. Insert the filter cartridge and tool into the bottom left of the product, firmly push the cartridge in until the filter head cannot be pushed any further.

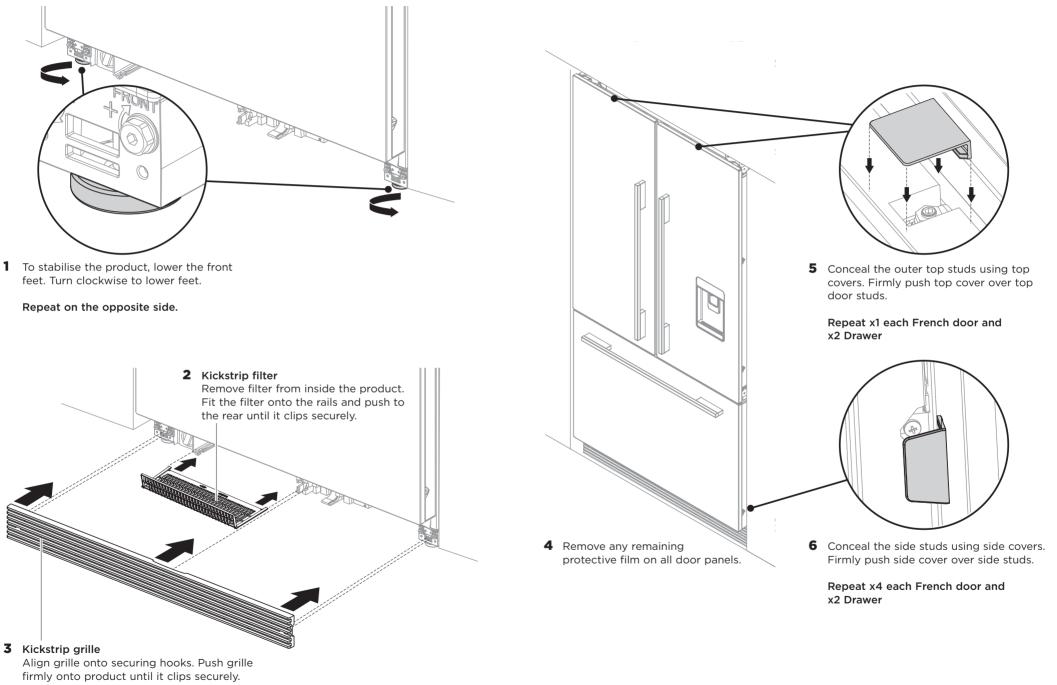
- **3** Turn 90° clockwise to tighten. Remove filter cartridge tool and close freezer drawer.



4 Filter cartridge shown in the locked position.

18

20 FRONT FEET, FITTING KICKSTRIPS AND COVERS



(21) FINAL CHECKLIST

\checkmark	TO BE COMPLETED BY THE INSTALLER		Ice & Water models only
	All models		Ensure change filter icon is enabled. This will remind you when the filter next needs replacing. Press and hold \Box , \Box and $+$ for 4 seconds on the internal control panel.
	Check all parts are installed.		Ensure the water filtration system has been flushed.
	Ensure the product is level, securely fastened to the cabinetry with the anti-tip bracket provided.		To flush the water filtration system
	Ensure the doors/drawer can open and close freely with no resistance from the cabinetry.	When using yo the doors/drawer can open and close freely with no resistance from dispenses, this	
	Ensure all internal and external packaging is removed from the product.		Dispense and discard 4 litres of water, then rest the dispenser pad for a further 2 minutes, repeat process.
			Failure to do this will result in excessive dripping from your water dispenser.
			IMPORTANT! DO NOT continuously dispense water for longer than 2 minutes at a time.
			Ensure a manual ice maker cycle has been forced. Press and hold \square , + and - for 4 seconds on the internal control panel, then close the refrigerator compartment door. The ice tray will flip twice. Empty the water from the bin, then dry and replace.
			Ensure ice maker is turned on. Press \mathscr{G} button once on the internal control panel. This light above the button will illuminate indicating ice maker is on. Please discard the first 3 harvests of ice (8 cubes per harvest).

Complete and keep for safe reference:			
Model			
Serial No.			
Purchase Date			
Purchaser			
Installer's Signature			

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