

Installation Manual for Filter Box (for Ducted Type)

Model	B-56LI, B-90LI, B-160LI
Applicable Long-Life Filter Model	F-56LI, F-90LI, F-160LI

NOTE:

The applicable indoor unit may be different depending on the product series.
Refer to the product catalog for applicable indoor unit models.

IMPORTANT NOTICE:

- The manufacturer of the product pursues a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- The manufacturer of the product cannot anticipate every possible circumstance that might involve a potential hazard.
- This kit is designed for several indoor ducted type units.
This kit is not designed for use with other manufacturers equipment.
- No part of this manual may be reproduced without written permission.
- Signal words are used to identify levels of hazard seriousness.
Definitions for identifying hazard levels are provided below with their respective signal words.

DANGER

: Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

: Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION

: Indicates a hazardous situation that, if not avoided, will result in minor or moderate injury.

NOTICE

: Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

NOTE

: Indicates a useful information for operation and/or maintenance.

- It is assumed that this kit will be installed and serviced by English speaking people. If this is not the case, the customer should add safety, caution and operating signs in the native language.
- If you have any questions, contact your distributor or dealer.
- This manual provides information on the three filter box types listed above.
- This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment. Forward this information to the building owner and request that they maintain all the equipment manuals.
- Do not use this kit under the following conditions:
 - * where there is oil vapor or mist (machine shops, kitchen, etc.).
 - * where flammable gas or corrosive gas may be present.

WARNING

- Turn OFF the power source before the installation work. If not, it may cause a fire or an electric shock.
- The installation work shall be performed according to this installation manual.
If the installation is not done properly, air leakage may cause condensation. If the filter box falls, this may result in injury.

CAUTION

Do not use excessive force when handling or installing the filter box. Excessive force may bend or damage the filter box and may prevent the filters from being installed.

Transportation and Handling

1. Transport the filter box with all factory packing to the install site.
2. Do not put any materials on the filter box.
3. Do not stand the filter box on edge after unpacking. It may bend or be damaged. Keep the filter box flat until ready for install.

1. Applicable Unit

The applicable indoor unit and filter (optional*) may be different depending on the product series. Be sure to confirm with the table below before installation.

Replace the long-life filter when the filter icon is displayed on the controller. The timing for replacement may vary depending on conditions of usage. If the dirt on the filter is excessive, replace the filter.


(Environments containing oil mist or similar contaminants will accelerate the frequency of filter changes.)

Model		B-56LI	B-90LI	B-160LI
Applicable Ducted Type Indoor Unit MBH (HP)	High Static	15 (2.0)	18 to 27 (2.5 to 3.0)	30 to 54 (4.0 to 6.0)
	Medium Static	06 to 15 (0.8 to 2.0)	18 to 27 (2.5 to 3.0)	30 to 54 (4.0 to 6.0)
Long-life Filter (Optional*)		F-56LI	F-90LI	F-160LI

*Not in the box.

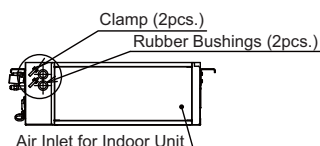
2. Before Installation

Check to ensure that the following accessories are packed with the filter box before installation.

No.	Accessory		Model	Q'ty	Purpose
①	Screw	 (M4 x 3/8inch (10L))	B-56LI	8	For filter box assembly to the indoor unit
			B-90LI	10	
			B-160LI	12	

3. Attaching Filter Box to Indoor Unit

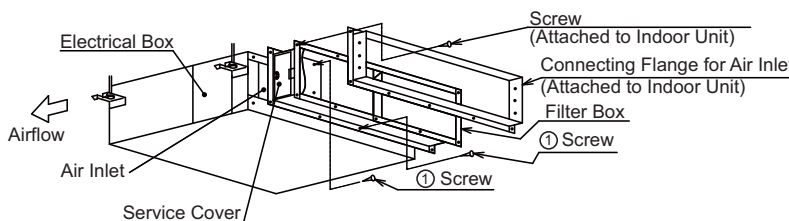
(1) Remove the clamps and rubber bushings located on the rear side of indoor unit.



(2) Remove the connecting flange attached to the air inlet of indoor unit.

(3) Secure the insulation attached side of filter box by using ① screw to the air inlet of indoor unit. The left side of filter box should be secured to the inside of indoor unit.

(4) Use the flange removed in procedure (2) above to connect field installed duct to the filter box.



NOTES:

- Do not apply excessive force to the indoor unit and the filter box when tightening screws. This may result in gaps at the filter box causing air leakage and condensation.
- Connect the filter box to the indoor unit directly. The use of flexible duct is not an acceptable method of connecting the filter box to the indoor unit.
- Install the service access door for indoor unit in a location that allows for removal and installation of the filter.

4. Installing the Long-Life Filter (Optional*)

NOTICE

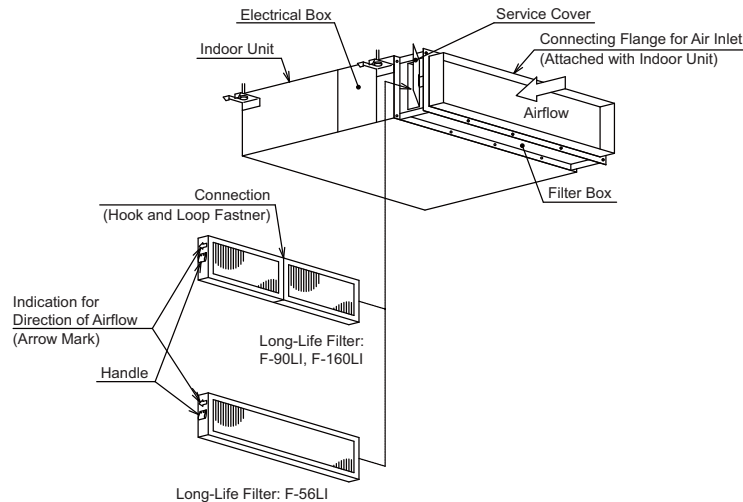
Optional accessories are not included in the package.

WARNING

The installation steps for the long-life filter (optional*) shall be performed according to this installation manual. *Not in the box.

If the installation is not done correctly, the filter or filter box may fall, causing injury or damage.

- (1) Open the service cover and insert the long-life filter into the filter box.
Indication for direction of airflow (arrow mark) should be facing the air inlet of indoor unit.
- (2) Securely close the service cover.



NOTES:

- Set the filter so that the handle is at the service access side.
- Connection of F-90LI and F-160 LI (optional*) consist of hook and loop fastener.
*Not in the box.

Service Space

Unit: inch (mm)

Model	a	b
B-56LI	29-1/2 (750)	17-11/16 (450)
B-90LI	23-5/8 (600)	17-11/16 (450)
B-160LI	29-1/2 (750)	17-11/16 (450)

