



Ductless Heat Pumps

Care & Cleaning

ATL-REFAC
REFRIGERATION | HEAT PUMPS | HVAC | NATURAL GAS | PROPANE



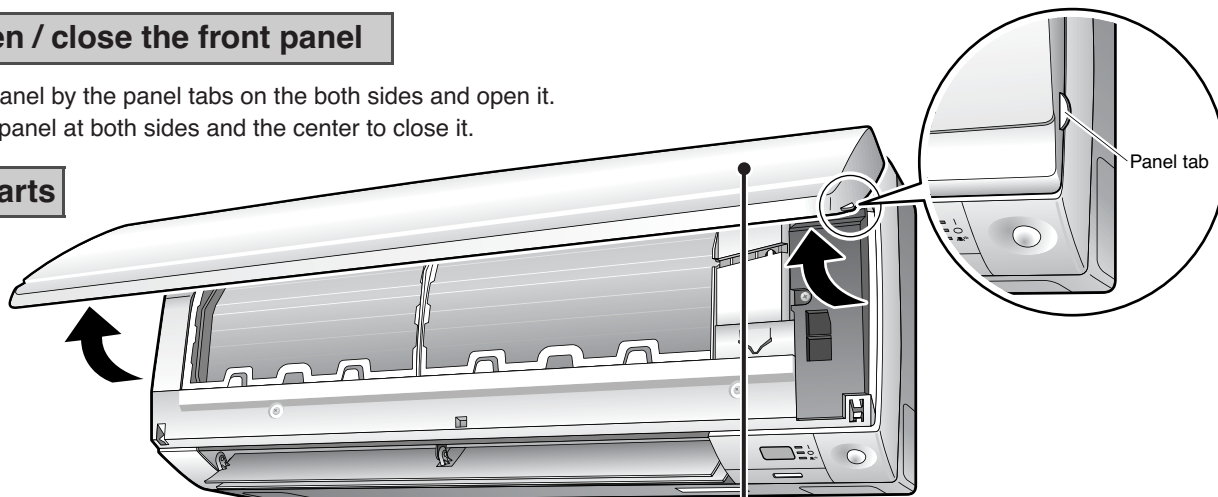
Care and Cleaning

■ Quick reference

How to open / close the front panel

- Hold the front panel by the panel tabs on the both sides and open it.
- Press the front panel at both sides and the center to close it.

Cleaning parts

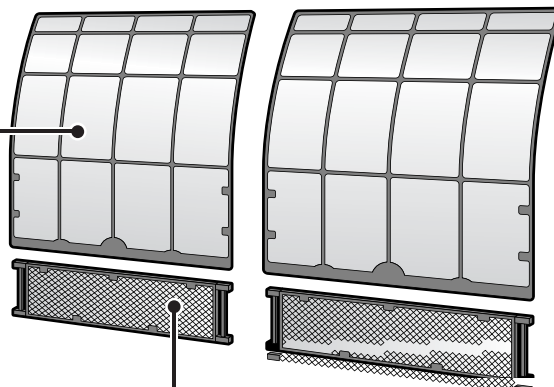


Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

Refer to ▶ Page 4



Front panel

- Wipe it with a soft damp cloth.

If bothered by dirt

Refer to ▶ Page 3

Titanium apatite photocatalytic air-purifying filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

Refer to ▶ Page 5

[Replacement]

Once every 3 years

Refer to ▶ Page 5

Indoor unit, Outdoor unit and Remote controller

- Wipe them with a soft cloth.

If bothered by dirt

Notes on cleaning

④ For cleaning, do not use the materials as follows.

- Hot water above 104°F (40°C).
- Benzine, gasoline, thinner, other volatile oils.
- Polishing compound.
- Scrubbing brushes, other hard stuff.



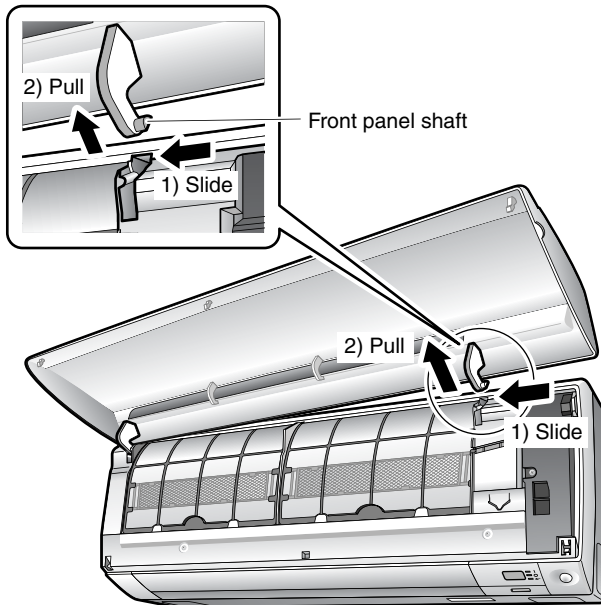
⚠ CAUTION

- Before cleaning, be sure to stop the operation and turn the breaker off.
- Do not touch the aluminum fins of the indoor unit. If you touch those parts, this may cause an injury.

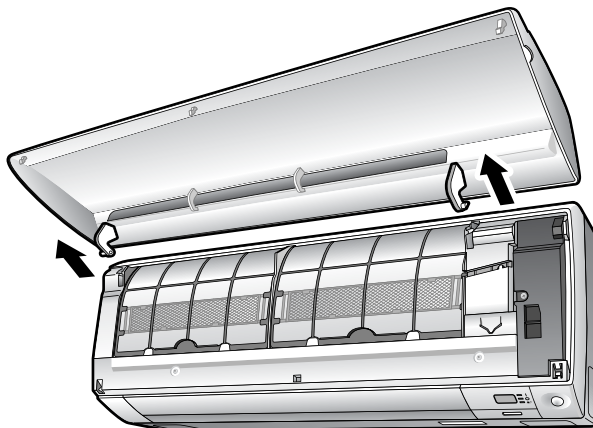
■ Front panel

1. Remove the front panel.

- Open the front panel.
- Slide the front panel to either the left or right and pull it toward you. This will disconnect the front panel shaft on one side.



- Disconnect the front panel shaft on the other side in the same manner.

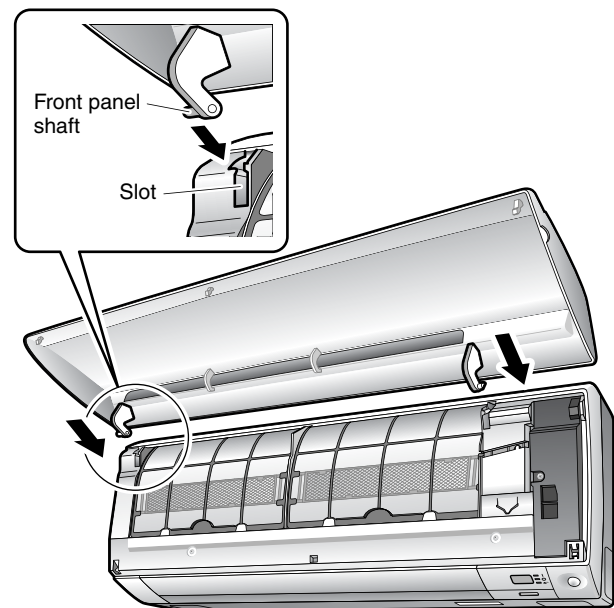


2. Clean the front panel.

- Wipe it with a soft damp cloth.
- Only neutral detergent may be used.
- In case of washing the panel with water, wipe it with a dry soft cloth, and let it dry in the shade after washing.

3. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.



- Close the front panel slowly. (Press the panel at both sides and the central area.)

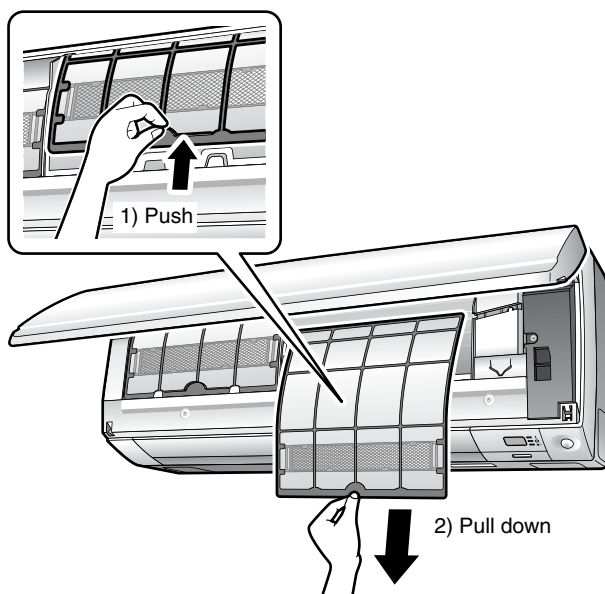
⚠ CAUTION

- When removing or attaching the front panel, stand on a solid, stable base and take care not to fall.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- After cleaning, make sure that the front panel is securely fixed.

■ Air filter

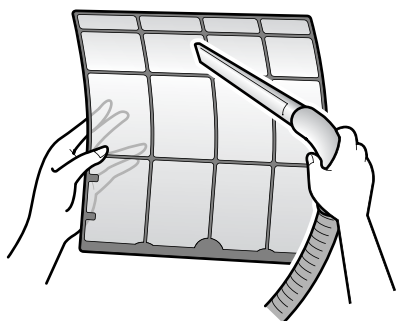
1. Pull out the air filters.

- Open the front panel.
- Push the filter tab at the center of each air filter slightly upward, then pull it down.



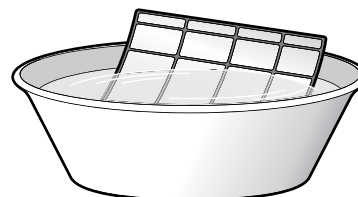
2. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.



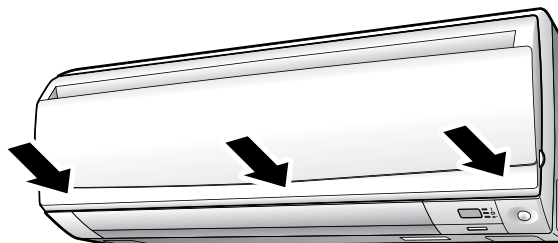
If the dust does not come off easily

- Wash the air filters with neutral detergent thinned with lukewarm water, then let them dry in the shade.
- Be sure to remove the titanium apatite photocatalytic air-purifying filter. Refer to "Titanium apatite photocatalytic air-purifying filter" on the next page.



3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



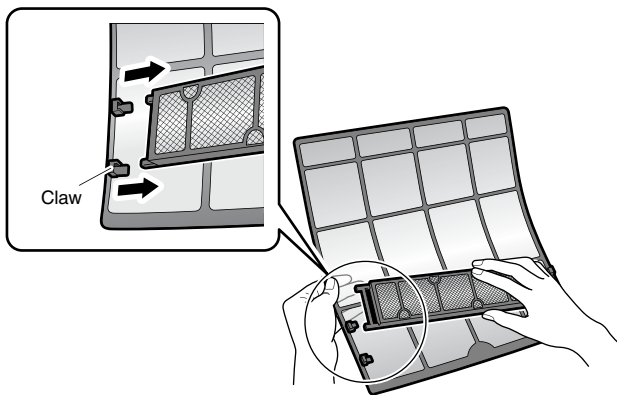
⚠ CAUTION

- Do not touch the aluminum fins by bare hand at the time of dismounting or mounting the filter.

■ Titanium apatite photocatalytic air-purifying filter

1. Take off the titanium apatite photocatalytic air-purifying filter.

- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

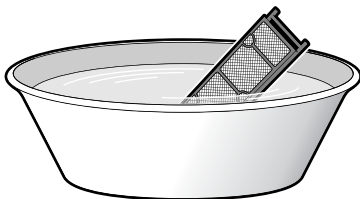


2. Clean or replace the titanium apatite photocatalytic air-purifying filter.

[Maintenance]

2-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

- Do not remove the filter from frame when washing with water.

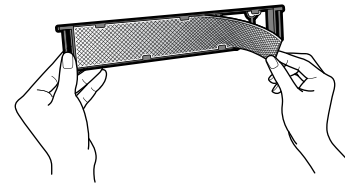


2-2 After washing, shake off remaining water and dry in the shade.

- Since the material is made out of polyester, do not wring out the filter when removing water from it.

[Replacement]

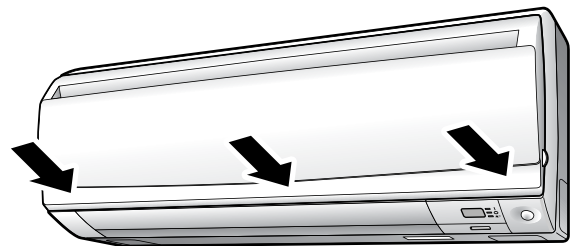
Remove the tabs on the filter frame and replace with a new filter.



- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite photocatalytic air-purifying filter.
- Dispose of the old filter as non-flammable waste.

3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



NOTE

- Operation with dirty filters:
 - cannot deodorize the air,
 - cannot clean the air,
 - results in poor heating or cooling,
 - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order a titanium apatite photocatalytic air-purifying filter, contact the dealer where you bought the air conditioner.

| | |
|----------|--|
| Item | Titanium apatite photocatalytic air-purifying filter (without frame) 1 set |
| Part No. | KAF970A46 |

Leaders in Heat Pumps, HVAC and Commercial Refrigeration

Our Credentials:

With locations in Halifax and Cape Breton, ATL-REFAC Limited was formed by the merger of Doubleday Mechanical Ltd. and Cape Breton Refrigeration and Air Conditioning Ltd. in 2014. Our experienced managers, staff and technicians have many years of experience in the industry and serve a wide range of commercial and residential clients from our offices in Halifax and Sydney-Glace Bay.

We care about our customers and clients. We take pride in our work and customer service. We do what is best to help you manage your precious assets. We help you sleep at night knowing your sites are in great hands with us.

We are a local, Nova Scotia company that provides sales, installation, service/parts and maintenance for Refrigeration, Heating, Ventilation, Air Conditioning and Heat Pump equipment/systems/applications. Our staff are highly qualified professionals with industry experience.

We have also been subcontracted by other companies to perform installation and service work.

All of our service field staff and management have cell phones. We have field staff on call and we have an on call rotation/schedule. We also have an after-hours contact center that performs dispatching services for after-hours calls.

Types Of Customers / Work We Perform:

Grocery stores, supermarkets, wholesale stores, refrigerated warehouses, gas & convenience stores, drug stores, meat markets, vegetable markets, specialty stores, hotels/motels, restaurant chains, lounges/bars/pubs, local restaurants, lobster/fish retail outlets, fish plants, ships, marine, specialty equipment, scientific/lab equipment, warranty work for equipment suppliers/manufacturers, General Contractors, subcontracted by other contractors for install & service work.

Installation, service, repairs, maintenance, leak testing, modification, calibration, controls of HVAC-Refrigeration equipment. General mechanical components and parts associated with Refrigeration/HVAC systems, walk-in's, freezers, coolers, line-ups, bunkers, coolers, merchandisers, cases, ice machines, ice makers, self-contained units, specialty equipment, scientific equipment, racks, modifying racks, compressor rooms, heat pump systems, VRV's, condensers, heat reclaim, changing cases, line-up changes, control systems, start-ups, commissioning, de-commissioning, refurbished products, air conditioning systems, roof top units, vacuum pumps, air compressors, air dryers, centrifuges, fresh and salt water chillers and cooling systems, controlled environment chambers and walk-in units, ultra-low freezers (-80°C), freeze dryers, liquid nitrogen and other cryogen systems, CO2 incubators, cryostats, refrigerators and freezers, etc. We work with all types of refrigerants, glycol, CO2.

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- Financing programs.

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- We carry appropriate general liability insurance.
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