# Filter Installation Instructions

Ver 1

Performance Data Sheet
Chlorine Taste and Odor Reduction

This system has been tested according to NSF/ANSI 42 and 53 and 401 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 53 and 401.

System tested and certified by NSF International against NSF/ANSI Standards 42 and 53 and 401 in Mode HX2019F-A for reduction claims specified on the Performance Data Sheet.

| Substance | Influent Challenge Concentration | Average Reduction | Reduction Requirement | Max Permissible Product Water Concentration |
|---|---|---|---|---|
| Chlorine Taste and Odor | 2.0 (±10%) mg/L | 97.5% | ⩾50% | N/A |
| Nominal Particulate Class I >0.5µm to 1µm | at least 10,000 particles/ml | 99.8% | ⩾85% | N/A |
| Asbestos | $10^7$to$10^8$fibers/L; fibers greater than 10µm in length | >99% | ⩾99% | N/A |
| Atrazine | 9 (±10%) ug/L | >94.8% | N/A | 3 ug/L |
| Benzene | 15 (±10%) ug/L | >96.7 % | N/A | 5 ug/L |
| Carbofuran | 80 (±10%) ug/L | >98.7 % | N/A | 40 ug/L |
| Lindane | 2 (±10%) ug/L | >99.0 % | N/A | 0.2 ug/L |
| P-Dichlorobenzene | 225 (±10%) ug/L | >99.8 % | N/A | 75 ug/L |
| 2,4-D | 210 (±10%) ug/L | 99.90% | N/A | 70 ug/L |
| Lead @ pH 6.5 | 150 (±10%) ug/L | 99.70% | N/A | 10 ug/L |
| Lead @ pH 8.5 | 150 (±10%) ug/L | 99.10% | N/A | 10 ug/L |
| Mercury @ pH 6.5 | 6 (±10%) ug/L | >96.7% | N/A | 2 ug/L |
| Mercury @ pH 8.5 | 6 (±10%) ug/L | 87.60% | N/A | 2 ug/L |
| Cyst | min. 50,000 cysts/L | >99.99% | ⩾99.95% | N/A |
| Toxaphene | 15 (±10%) ug/L | >93.9% | N/A | 3 ug/L |
| Meprobamate | 400 (±20%) ng/L | >95.3% | N/A | 60 ng/L |
| Atenolol | 200 (±20%) ng/L | >95.3% | N/A | 30 ng/L |
| Carbamazepine | 1,400 (±20%) ng/L | >98.7% | N/A | 200 ng/L |
| DEET | 1,400 (±20%) ng/L | >98.7% | N/A | 200 ng/L |
| Metolachlor | 1,400 (±20%) ng/L | >98.5% | N/A | 200 ng/L |
| Trimethoprim | 140 (±20%) ng/L | >96.4% | N/A | 20 ng/L |
| Linuron | 140 (±20%) ng/L | >96.6% | N/A | 20 ng/L |

| | | | | |
|---|---|---|---|---|
| Microplastics, Particles 0.5 to < 1 µm | at least 10,000 particles/mL | 99.8% | ≥ 85% | N/A |
| Phenytoin | 200 ( ±20%) ng/L | >95.5% | N/A | 30 ng/L |
| Ibuprofen | 400 (±20%) ng/L | >95.1% | N/A | 60 ng/L |
| Naproxen | 140 ( ±20%) ng/L | >96.3% | N/A | 20 ng/L |
| Estrone | 140 ( ±20%) ng/L | >96.4% | N/A | 20 ng/L |
| Bisphenol A | 2,000 ( ±20%) ng/L | >99.0% | N/A | 300 ng/L |
| Nonyl Phenol | 1,400 ( ±20%) ng/L | >96.3% | N/A | 200 ng/L |

Note While the testing was performed under standard laboratory conditions, actual performance may vary.
Tested using a flow rate 0.5GPM, pressure of 60psi, temp of 68±5°F
* To a capacity of 200 gallons (757 liters)

The compounds certified under NSF/ANSI 401 have been deemed as “incidental contaminants/emerging compounds”.
Incidental contaminants are those compounds that have been detected in drinking water supplies at trace levels. While occurring at only trace levels, these compounds can affect the public acceptance/perception of drinking water quality.
The System conforms to NSF/ANSI 401 for the specific performance claims verified and substantiated by test data.

Operating conditions
Flow rate : 0.5 GPM(1.9LPM)
Pressure : 30 - 125 psi (207-862kPa)
Temperature : 34-100 °F(1-38 °C)
Service life : 6 Months
Capacity : 200 gal(757L)
Function : Chemical/ Mechanical Reduction
Flushing : 5 Minutes

Operating Notices
1. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
2. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cyst.
3. The system conforms to NSF/ANSI 42,53,401 for the specific performance claims as verified and substantiated by test data.
4. For cold water only.
5. Replace whole filter for every 6 months.
6.The testing was performed under standard laboratory conditions, actual performance may vary.
7. Check for compliance with the state and local laws and regulations.
8. Systems must be installed and operated in accordance with manufacturer’s recommended procedures and guidelines.
9. Spent adsorption media will not be regenerated and used.

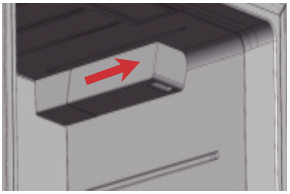
Warranty
The filter is warranted for a period of 6 months.
Filters are warranted for defects in material and workmanship only.

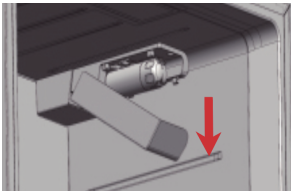
Replacement Cartridge NO : HX2019FR-A
NSF System NO : HX2019F-A

For estimated costs of replacement elements, please contact your local dealer.

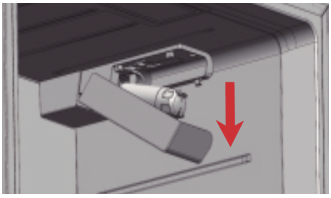
Manufactured for Hisense Corporation by ; Microfilter Co., Ltd
162-1, Sansu, Deoksan, Jinchun, Chungbuk, Korea
EPA Est No. 94813-KOR-1
Made in Korea
Tel : +82-43-531-7018

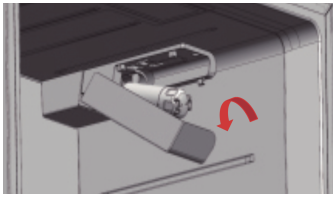
To drink the freshest and cleanest water from your refrigerator, change the filter on time.
To change the water filter, follow these steps:
1. Shut off the water supply. Then pull the handle under the cover outwards to open the cover.

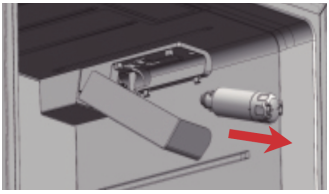




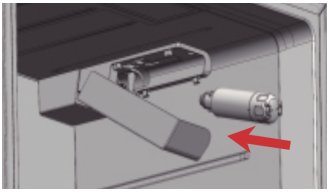
2. Pull the water filter downwards and turn it about 90° counter-clockwise to take it out. When the filter is disassembled, pay attention to keep the filter head upward tilted to avoid water leaking from the front filter part. And the dropped water in the cover should be cleaned immediately.

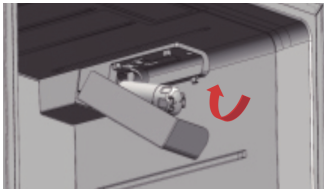




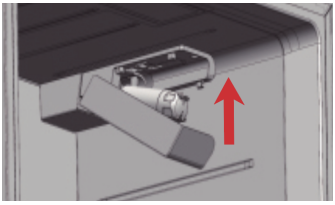


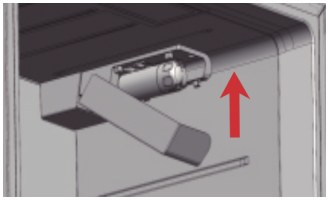
3. Insert the new water filter into the hole, and at the same time turn it about 90° clockwise until it stops.

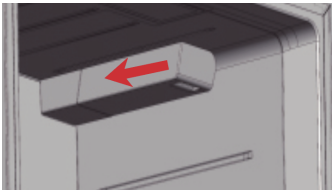




4. Push the water filter up, and move the cover up to horizontal and push it until it locks .







5. Turn the water supply back on.
Note：After turning on the water supply, you should check the leaks.
If leaks occurs, repeat the above operation steps 1-5.
If leaks persist, discontinue use and call you supporting dealer.

6. Flush filter for 5 minutes before use.

# State of California
# Department of Public Health
# Water Treatment Device
# Certificate Number
# 3570

| Trademark/Model Designation | Replacement Elements |
|---|---|
| HX2019F-A | HX2019FR-A |

Manufacturer: Microfilter Co., Ltd

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

| Microbiological Contaminants and Mechanical filtration | Metals Contaminants |
|---|---|
| Cysts | Lead |
| Asbestos | Mercury |

Organic Contaminants

- Atrazine
- Benzene
- Carbofuran
- Toxaphene
- 2,4-D
- P-Dichlorobenzene
- Lindane

Rated Service Capacity: 200gallons

Rated Service Flow: 0.5 gpm

Caution:

Please refer to the owner's manual for proper maintenance and operation. If this device is not maintained and operated as specified in the owner's manual, there is a risk of exposure to contaminants.
For more information, visit global.hisense.com or the California State Water Resources Control Board's Web site at www.waterboards.ca.gov.