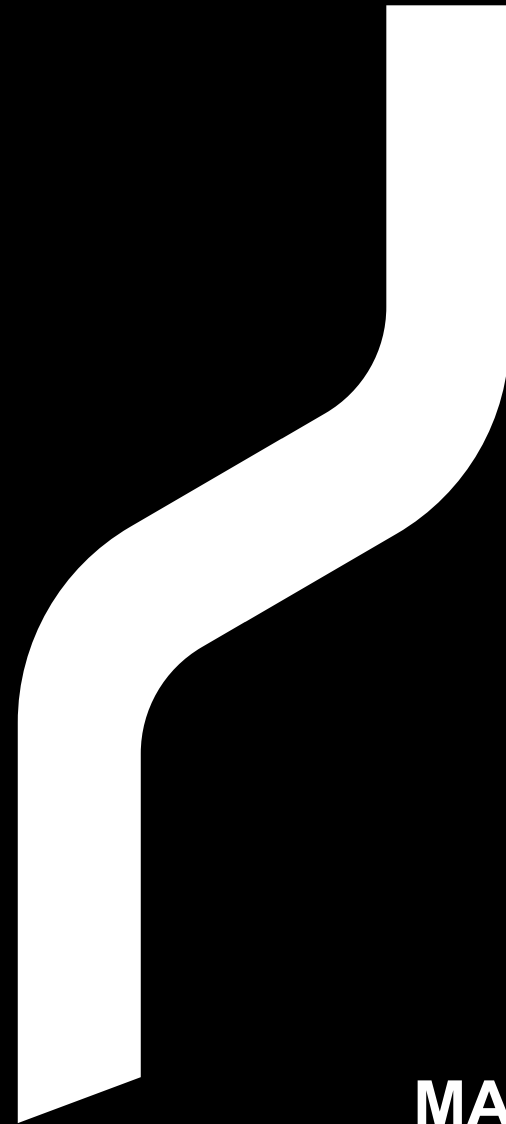


**IMRITA**  
WHOLE HOUSE WATER FILTRATION SYSTEM



**MANUAL**  
**IMT-M4**

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MADE IN CHINA

## THANKS

Thanks very much for choosing IMRITA brand, and be the user of IMRITA.

Before the machine installation, we suggest you to read this manual carefully.

If you have any questions during use, please read this manual carefully or contact us directly.

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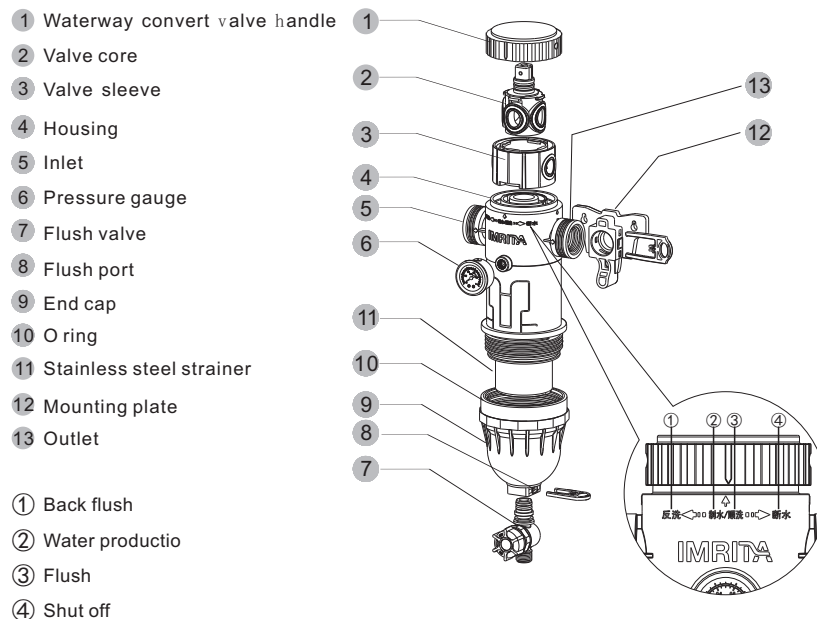
Your valuable comments on our products and services are most welcome.

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## THE PRINCIPLE OF PERFORMANCE

### Structure Diagrams



### Function & Feature

#### Remove the large particles and impurities

Stainless steel strainer can intercept the sand, rust and other particles.

#### Easy for flushing

Turn the waterway convert valve to the flush or back flush position when flushing or back flushing.

Just manual flush, no filter cartridge replacement.

#### Super pressure resistance, safe and reliable

Water hammer dynamic pressure test, static pressure test, blasting test is higher than the industry standard.

Quick connect fitting interface is for easy installation, and tool free maintenance and replacement.

High quality plastic material with high strength, super pressure resistance.

## Product Parameter

Product Name: Pre Filter	Item No.: IMT-M4
Filter type: Stainless Steel Strainer	Flow Rate: 6.0m <sup>3</sup> /h
Filtration Accuracy: 50μm	Inlet Pressure: 0.1-0.4MPa
Application: Municipal Tap Water	Temperature: 5°C~38°C
Product Size: Φ115x350(mm)	

## Introduction of filter cartridge

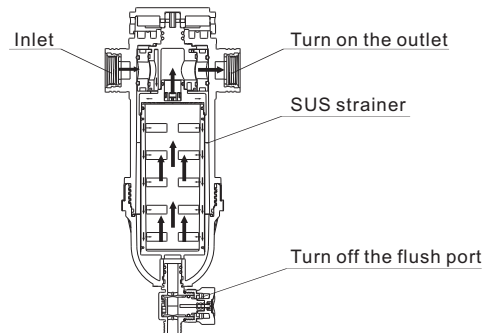
Type	Specification	Material	Qty
SUS strainer	50μm	Stainless steel 304	1 pc

## Life service for filter cartridge

Type	Suggest to replace	Parts diagram
SUS Strainer	5 years	

## Water production principle

Turn the waterway convert valve to water production position, the pre filter is under water production, turn on the outlet, turn off the flush valve, the source water will first come to the outside of the strainer, then comes into its inside for filtration, to remove large particle impurities, and the filtered water will come out from the outlet. (As shown in pic.1)

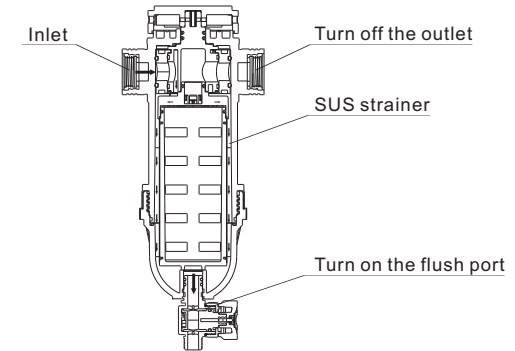


Pic. 1 M4 water production principle

## Flush principle

After using a period of M4 pre filter, the strainer had intercepted lots pollutants, if it didn't flush in time, it would be blocked also would cause second pollution.

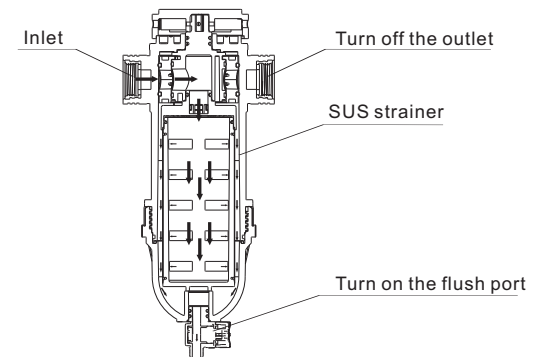
Turn the waterway convert valve to the flush position, turn on the flush port and turn off the outlet. The source water will flush off the pollutants, and will drain out from the flush port. (As shown in pic.2)



Pic.2 M4 flush principle

## Back flush principle

Turn the waterway convert valve to the back flush position, turn on the flush port and turn off the outlet. The source water will first come to the inside of the strainer, then it will flow outside under the water pressure will first come to the outside of the strainer, then comes into its inside to remove large particle impurities, and will drain out from the flush port. (As shown in pic. 3)

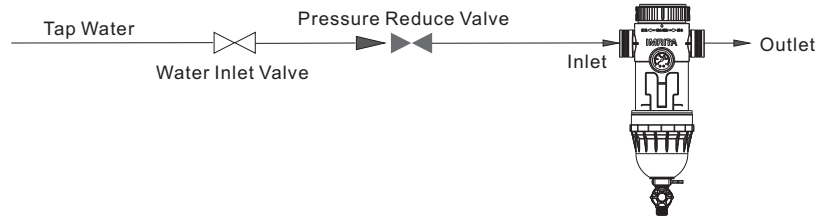


Pic. 3 M4 back flush principle

## INSTALLATION

### Installation Notice

1, If the inlet pressure is higher than 0.4Mpa for a long time, please add a reduce valve. (As shown in Pic.4)

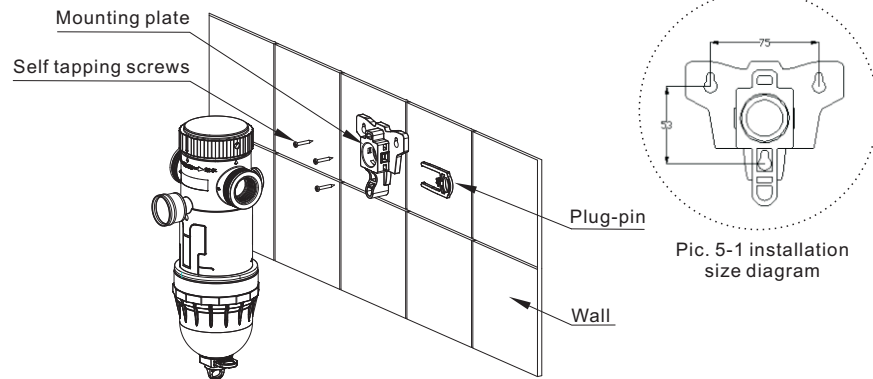


Pic.4 pressure reduce valve installation

- 2, All the pipeline, fittings, faucet which are related to water that all comply with the national standard.
- 3, The installation position should be protected from sun and rain to prevent aging.

### Installation Steps

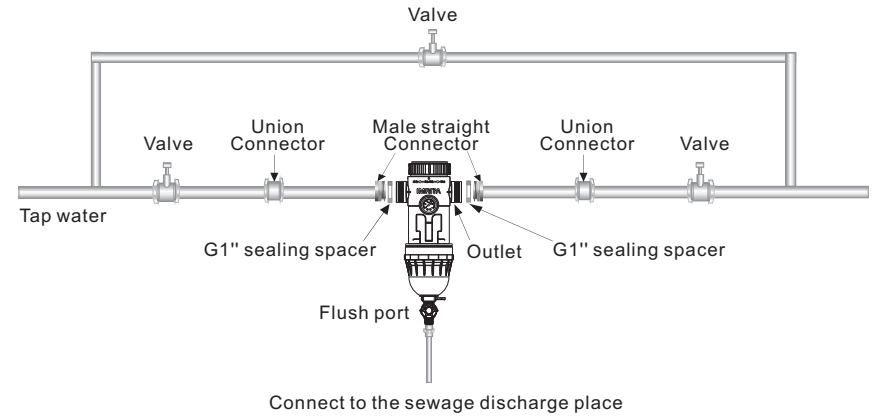
1, Drill holes at the appropriate installation position on the wall according to the installation size pic.5-1, and drive the expansion pin into the wall. Fix the mounting plate on the wall with self-tapping screws. Then insert the pre filter into the corresponding position of the mounting plate, then use a plug-pin fix the pre filter.



Pic.5-2 installation diagram

Pic. 5-1 installation size diagram

2, Pipeline installation diagram as shown in pic. 5-3, use PPR or bellows for connection. Pay attention to install a G1" sealing spacer on the male straight connector.



Pic. 5-3 Pipeline installation diagram

- 3, Suggest to install a waterway branch or by-pass valve, so that the water can be supplied normally during pre filter maintenance.
- 4, Please check it carefully after installation: whether there is any leakage in all the joints.

## USAGE & MAINTENANCE

### Routine Maintenance

- 1, Please flush the strainer when pure water flow value is lower than standard value, drain out the pollutants to recovery the pure water flow value.
- 2, Please turn off the main water inlet valve or turn the waterway convert valve to "SHUT OFF" position when goes out for a long time (more than one week).
- 3, Please turn on the flush valve for flushing after stop using for two days. Then turn off the flush valve to come into water production status.
- 4, Please contact with the dealer or IMRITA when have any abnormal or doubts during using.

## Malfunctions and Handling

The following table is a list of possible malfunctions and their causes, please refer to their general troubleshooting methods.

Malfunction	Troubleshooting	Handling
Leakage	The Sealing ring in end cap position is aging or broken	Replace the sealing ring
Less purified water runs from the faucet	Strainer is blocked	Flushing the strainer; if still less purified water, take off the strainer for manual washing.

## PACKING LIST

M4 Pre Filter	1/2" quick connect flush valve
Manual	Screw Kit
86N Fitting	G 1" Sealing Spacer