

HAND PUMP OPERATION

REMOVING-MICROBE WATER FILTER IN EMERGENCY DISASTER

0.04 microns of filterable precision!
This filter can remove even hepatitis A virus!

Model : TN-01MC-MF

FILTER RATE
500 ℓ/H

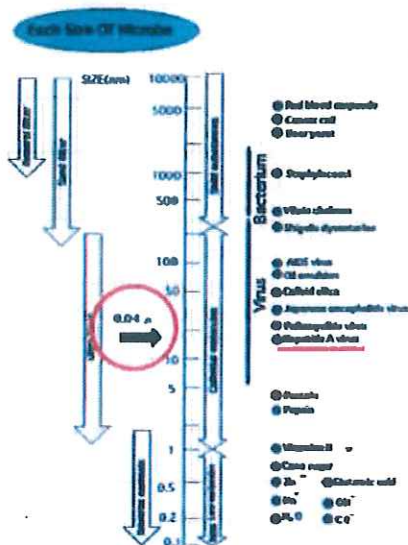
PAT.(JAPAN)
NO.1955578



- Viruses, bacterium in raw water are removed completely with MF FILTER ELEMENT. (pore size 0.04 μ)
- Turbidity in a pond or a river is removed completely.
- Filtering rate is 8 ℓ/min continuously.
- This filter has a recyclable pre-filter, which removes turbidity over than 2 μ and re-washable 30~50 times.
So you can filter raw water efficiency using two way of filter elements.
- You can drink filtered water safety without boiling & sterilization chemicals.
- You can operate this filter easily & certainly using a hand pump without electricity.

SPECIFICATION

FLOW RATE	500 ℓ/H
PRESSURE	Max. 0.3Mpa
MF FILTER PRECISION (REMOVING-MICROBE FILTER)	0.04 μ pore size About 5,000 ℓ life
PRE-FILTER(Recyclable)	MIRACLE PLEAT FILTER ELEMENT 2 μ pore size
SIZE	L520×W450×H770
WEIGHT	23KG
MATERIAL	Flame:Steel. Water filter: stainless & plastic.



APPLICATIONS

- OUTDOORS OR CAMPING
- DRINKING WATER FOR EMERGENCY

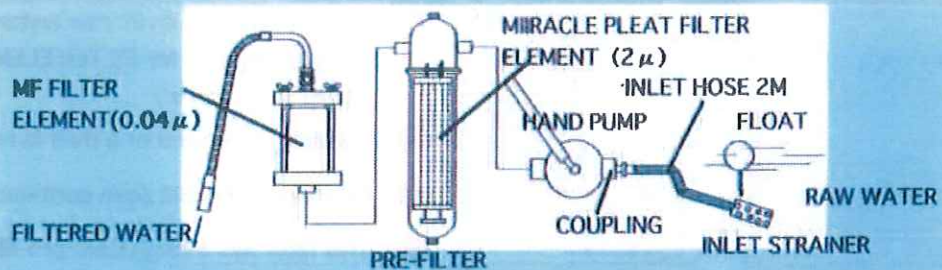
ACCESSORIES

Name	Q'ty
Inlet Hose 2m	1 piece
Brush For Washing	1 piece
Filter Promotive Powder 1Kg Useing For 5 m ³	1 piece
Mix 10g of this powder into 50 ℓ muddy raw water	

ARTICLES OF CONSUMPTION(CHARGED)

Name	Q'ty	Q'ty of water treatment	Price (yen)
Miracle pleat filter element 2 μ	1	Rewashable every 1m ³ filtration & Recyckable 30 ~50 times.	12,600
MF filter element	1	About 5,000 ℓ	12,000
Filter promotive powder 1kg	1	About 5m ³ treatment for muddy & dirty water	1,000

FLOW SHEET



Ability Test Of MF FILTER ELEMENT

Table 1. Filtration test of bacteria

Pressure 1 kg/cm²

Number of alive colonies in filtered water(Total colonies) Number/ml	
Raw water	MF filtration water
480,000 /ml	0 /ml
2,400,000 /ml	0 /ml

Table 2. Filtration test of enterococcus faecalis IFO 3971

Number of alive colonies in filtered water(Total colonies) Number/ml		
Raw water	MF filtration water (after 1 ℓ)	MF filtration water (after cultivate)
3,100,000 /ml	0 /ml	0 /ml
Flow rate: 5 ℓ /min		Condition: 20°C, 2 weeks cultivate

Table 3. Filtration test of pseudomonas & serratia

Name	Raw water	MF filtration water			Remark
	Number/ml	First	50 ℓ filtration	100 ℓ filtration	
Serratia	10 ⁹	0	0	0	0.5 × 1.0
Pseudomonas	10 ⁷	0	0	0	0.25 × 0.7