



TURNING INNOVATIVE FINE-FILTRATION INTO ART

WHILE REDUCING THE USE
OF PESTICIDES



PATHOGENS FREE IRRIGATION WATER

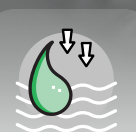
YOUR GROWTH PARTNER



**EFFECTIVE
FILTRATION**
6-30 micron
Fine Filtration



**SMALLEST
FOOTPRINT**
5-1500 m³/h
In A Single Vessel



**LOWEST
BACKWASH
FLOW RATE**
Only 0.1%-6%
backwash Water

filter-art.com



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SCAN ME

filter-art.com

PATHOGENS FREE IRRIGATION WATER

FILTER ART is based on physically separating the unwanted pathogens from the water combined with disinfection.

NEMATIC - The FILTER ART unit - is equipped with specialized screens that are designed to stop pathogens. Some of these harmful pathogens are: Nematodes, Fusarium, Phytophthora, Cryptosporidium, Giardia lamblia and more.

Maintenance is easy thanks to a self-cleaning mechanism which cleans the screen surface once the cleaning cycle is triggered.

Since water is a valuable resource, the unit is designed to generate less than 0.1% - 6% of water wastage during the cleaning process.

The FILTER ART unit is customized to handle a wide range of water qualities suitable for any water source and characteristics with high efficiency and water recovery. FILTER ART can be installed on a recycled water stream or a main line to supply nematode free irrigation from the source.



Nematic technology consists of an innovative screen configuration combined with patented cleaning mechanism.

Technical information

NEMATIC is based on physical separation of the unwanted objects from the water. The unit is equipped with customized screen that is designed to stop nematodes. Maintenance is easy thanks to a self-cleaning mechanism, which cleans the screens surface once the cleaning cycle is triggered by DP, timer or manual activation. Since water is a valuable resource, the unit is designed to generate less than 0.1% - 6% of water wastage during cleaning process. In addition, the flushed water can be treated and returned to the process so that the system's efficiency increases.

General specifications

- MAX PRESSURE: 10 BAR (150 PSI)
- MIN PRESSURE: 1 BAR (15 PSI)
- DESIGN TEMP: 60 °C (140 °F)

Materials of construction

- VESSEL: COATED C/ST
- SCREEN 316 ST.ST
- SEALS: NBR+EPDM

Other specifications and materials are available upon request

Key crop's (soilless cultivation)



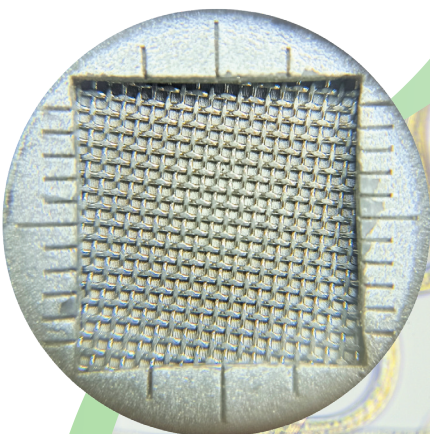
Flowering crops
Rose, carnations, Alstromeria, etc.



Vegetable Crops
Tomato, Cucumbers, Eggplants, etc.

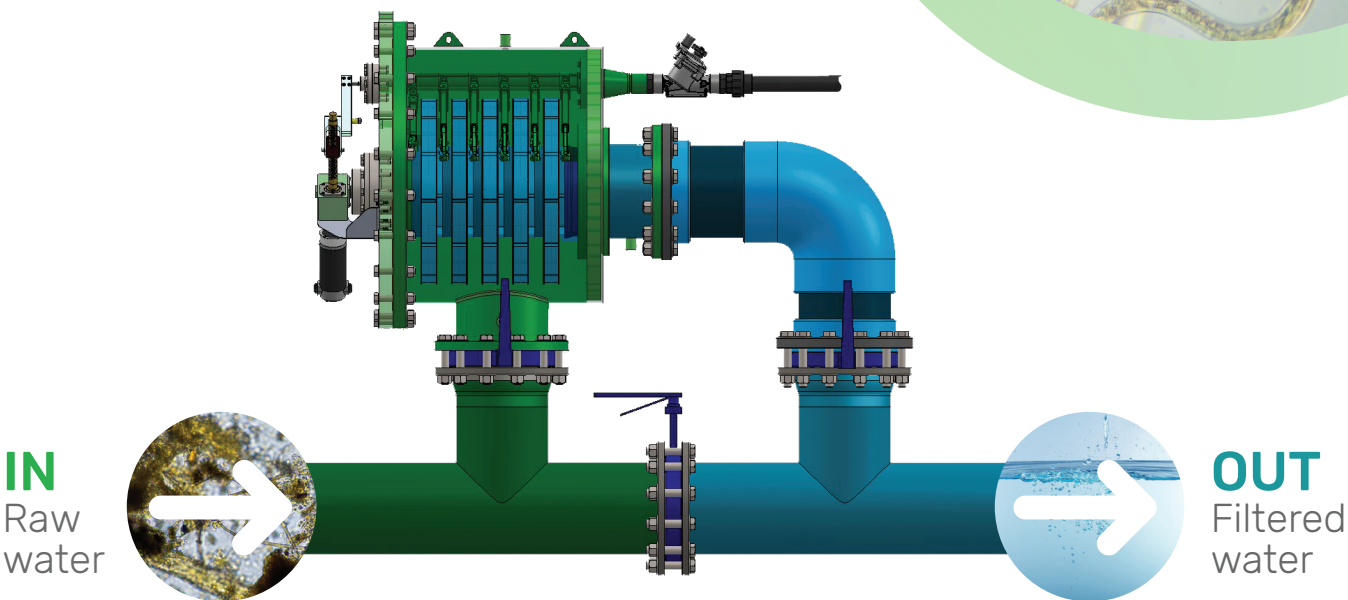




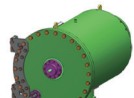
Berrys
blueberry, raspberry, etc.



Key Applications:

- Nematode Filtration
- Irrigation Pathogen Filtration and Disinfection
- Purifying soilless drainage water



	 MINIART	 MIDIART	 MEGAART
MODEL	NT/A4/4-12	NT/B6/5-12	NT C10/5-14
Flow range (m3/h; gpm)	5-50 : 22-220*	50-150 : 220-660*	100-500 : 440-2220*
Flange diameter*** (MM/Aprox.Inch)	80/100 (≈3"/4")	200 (≈8")	300 (≈12")
Required electricity	110-220 VAC	110-220 VAC	110-220 VAC
Motor (V/A)	24VDC/10 Amp	48VDC/20Amp	48VDC/30Amp.
Flushing flow (m3 /h; gpm)	1-3 ; 4.4 -13.2	1-3 ; 4.4 -13.2	1-3 ; 4.4 -17.6
Flushing duration	26 Seconds	1:40 Minuets	2:20 Minuets

*Flows related to NEMATIC customized nematode screen, subject to water quality.

** Zero discharge system design available upon request. *** Flange Diameter - to reduce to the required diameter and flange standard.