

The background features a light green gradient with abstract curved shapes in darker green and teal. In the center, a globe of the Earth is shown from space, appearing to be held within a funnel-like structure. A bright sunburst effect emanates from the right side of the globe. The logo text is positioned above the globe.

# **NEMATIC**

Nematode free irrigation water

**Your growth partner**

# Nematode free irrigation water

Plant Parasitic nematodes (PPN's) are among the most widespread pests, and has the highest economic implication on crops and growers, PPN's management involve few aspect as control methods which all need to be considered: soil, water and plant concerns. Although PPN's are soil (root) born, species such as Root-knot nematodes are spread primarily by water.

PPN's damage results in poor growth, a decline in crop quality and yield and reduced resistance to other pathogens as fungi, viruses and bacteria. Common method is to apply nematicides in order to control soil nematode population. Yet, soil can be disinfected but if water is contaminated with nematodes soil disinfection doesn't provide comprehensive solution. NEMATIC offers new nematode control method, eliminating nematode cysts and J2's from irrigation water or drainage water in soilless cultures, using NEMATIC able growers to use nematode contaminated water sources and recycle 100% of greenhouse irrigation water.

Thanks to the fact that NEMATIC is chemical-free it suits both organic and traditional growers who wish to make sure that their water is nematode-free as part of their nematode control program.

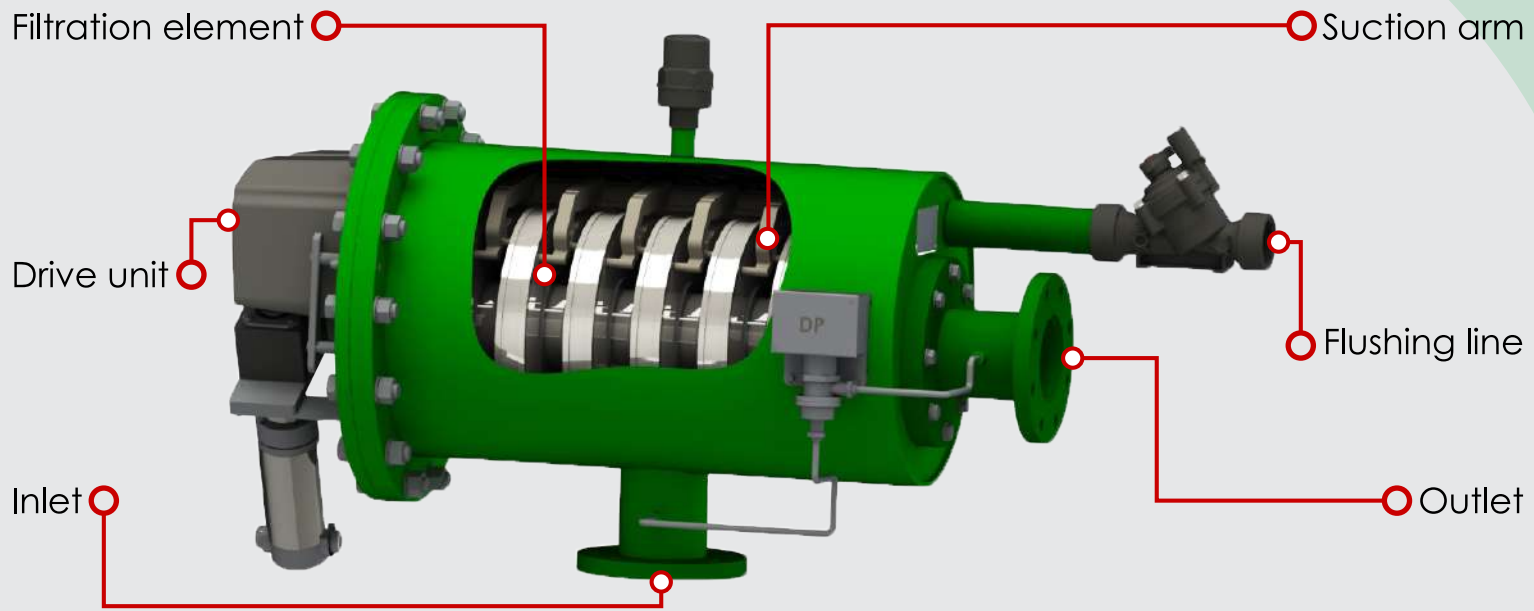


## NEMATIC Value Offer

- Nematode-free irrigation water
- Chemicals-free operation
- Simple and reliable mechanism
- Easy to install, operate and maintain
- Zero-liter discharge design
- Cost effective



## 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 screen surface once the cleaning cycle triggered by DP, timer or manual activation. Since water is a valuable resource, the unit is designed to generate less than 2% 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)
- MAX TEMP: 60 °C (140 °F)

Other specifications and materials are available upon request

### Materials of construction

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

MODEL	NT/A4/4-14	NT/B6/5-14	NT/C10/5-14
Flow range (m <sup>3</sup> /h ; gpm)	5 – 50 ; 22-220*	50 – 150 ; 220- 660*	100 – 500 ; 440- 2200*
Flange size	4"	6"	10"
Required electricity	110-220VAC	110-220VAC	110-220VAC
Motor (V/A)	24 VDC / 10 Amp	24 VDC / 15 Amp	24 VDC / 15 Amp
Flushing flow (m <sup>3</sup> /h ; gpm)	1 - 3 ; 4.4 - 13.2	1 - 3 ; 4.4 - 13.2	1 - 4 ; 4.4 – 17.6
Flushing duration	26 Seconds	70 seconds	140 seconds

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

\*\* Zero discharge system design available upon request



 **Filter Art**  
*Let's Make it Clear*

Mobile: +972 54-2156607  
Mobile: +972 52-6124815

[info@filter-art.com](mailto:info@filter-art.com)

[www.filter-art.com](http://www.filter-art.com)