

IVG-IR BIOMIMETIC WATER TREATMENT SOLUTIONS FOR IRRIGATION



Carbon footprint reduction



PATENDEED SOLUTION



IVG Technology CERTIFICATIONS & RECOGNITION

Southern California Edison (SCE) validated
EU Commission Horizon 2020 validated
Swedac Certified
Electric Power Research Institute (EPRI)
Accreditation DAKs – potable water tests
Food and Drug Administration – food usage
Certificat BioCompatibility test Following EC/ ISO 10993
Recognition Ministry of Water Holland
2020 : DVGW W270 certification approved for its compliance with the PA2200 test
REALice referenced Utility Incentives USA and Canada - Top 20 Esource Innovations
Successful research projects with Improvement Center in the Netherlands, Advanced Horticulture Company in the UAE and the Swedish University of Agricultural Science.

IVG Technology approved by Energy Utilities in North America

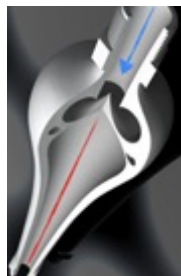


The water, passing through the IVG, does undergo some essential changes of which the most important are: air bubbles inside the water are totally removed, viscosity of the water is decreased by a factor up to 20% and the density of the water is increased: Better assimilation and absorption of the various nutrients, increase of the solubility of minerals and improved transfer of nutrients to all parts of the cell body. Crops grow stronger, healthier and more resistant. Reduced need for fertilizers, insecticides and herbicides.

The IVG application, as applied within Agricultural Irrigation operations (IVG-IR), can simply be added to the existing irrigation piping.

MEASURED RESULTS

- Increase production yield
- Reduction rejects
- Overall effective production increase
- Faster growth
- Increase of shelf live
- Overall improved quality and taste



Industrial Vortex Generator: The vortex shapes and transforms the water flowing through it creating a strong vortex movement in the water with high pressure gradients and very low central pressure. Cavitation is carried out in a controlled environment which transforms the water and makes it possible to:

- Remove Air bubbles,
- Decrease viscosity,
- Increase conductivity,
- Increase density,
- Increase thermal capacity,
- Precipitate calcium in non-adherent crystals,
- Reduce corrosion