



# NURION™

The standard for Ingredient  
water applications

*in line with food and beverage industry compliance*



# Plug & Play system especially designed for Ingredient water industry specifications

The Ingredient water industry covers infant formula, soft drinks, packaged waters, beers, juices, and many more. The sector is large and continues to grow with the highest rates found in emerging markets. As with all FMCG sectors there are many competitors; product quality coupled with brand recognition and trust are of utmost importance.



## COMPLIANCE REQUIREMENTS

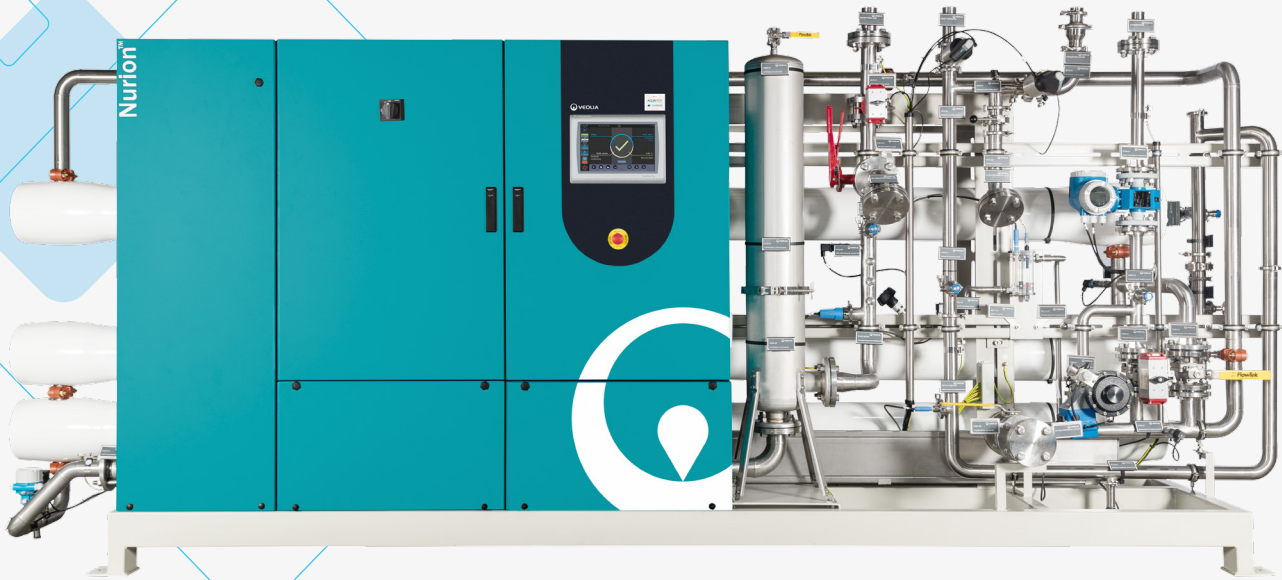
- Potable Water Standards (Directive 98/83 EC) World Health Organization
- Hygienic design according to EHEDG (European Hygienic Engineering & Design Group)
- Potability certificates and 2.2 certificates
- Potable water approved materials
- Microbial control



## INDUSTRY REQUIREMENTS

- Hygienic design equipment and manufacturing
- Water quality consistency
- Crystal clear and biologically perfect water
- High equipment reliability
- No taste / no odor
- Easy maintenance





# NURION™

## A system standardised for the highest nutrition water, proven and intuitive

Completely standardised and compact unit, NURION™ has been designed with clients expectations and high requirements. It delivers RO-quality water fully compliant with the Ingredient Water market, while avoiding the risk of microbial contamination in the final product at a competitive price for a hygienic design product.

NURION™ uses components for the production of ingredient water, such as stainless steel piping, and controlled welding. It also respects EHEDG guidelines on the permeate line. These elements coupled with appropriate pretreatment, ensure microbial control and a highly consistent water quality with no unwanted tastes or odors in the final product. Non-metallic equipment, such as the pressure vessels, diaphragms, or gaskets are offered with materials that comply with at least one of the FDA, NSF-61, or ACS drinking water regulations.

NURION™ is available in 6 models, covering a wide range of flow rates from 5 to 25 m<sup>3</sup>/h. Six options are also available throughout the range, offering a complete solution that combines reliability and flexibility.

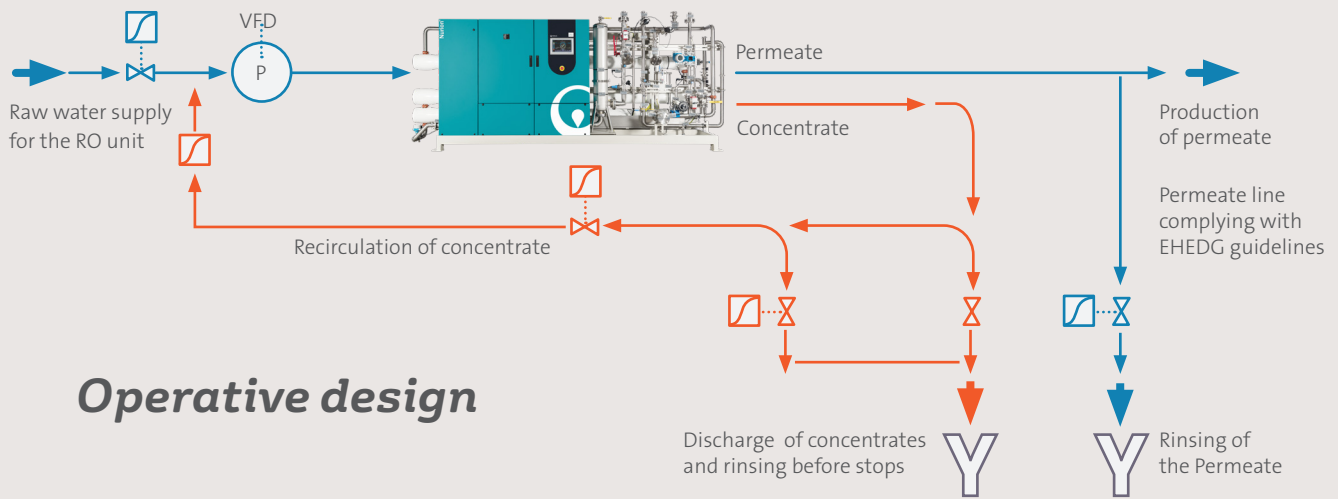
As a standard equipment, Nurion can be used in production sites as one single solution allowing customers to get the ingredient water solution in different countries as per their top quality standards.

### NURION™ selected references

Major players of F&B industry have chosen nurion of Veolia:

- Infant formula industry
- Cereal industry
- Drink concentrate industry





## Operative design

# A full NURION™ range to suit your needs

### High equipment reliability:

- Piping, fittings and valves on feed, reject and permeate line in stainless steel
- Low energy membranes and high pressure pump VFD result in lower operating pressures
- 12" touchscreen panel with TFT widescreen colour display
- PLC with Ethernet connection (Siemens)
- Programmable user interface: easy to use and monitor.

### Unique new design available within a few weeks:

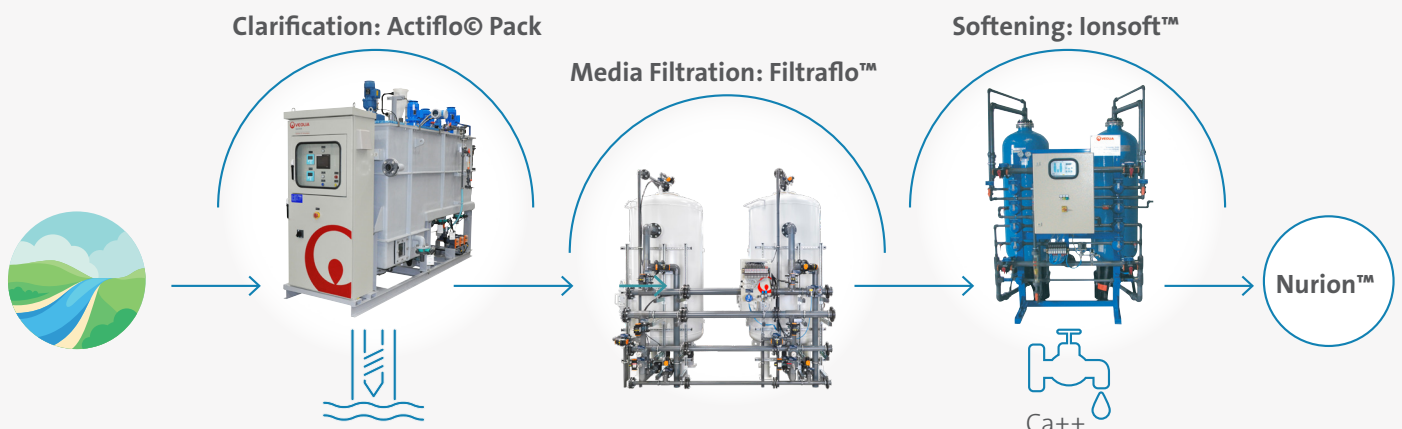


### Pre-treatment line industrialized:

Veolia Water Technologies provides the appropriate standard technologies to be used as a pre-treatment line upstream of NURION™, according to the inlet water quality (river, borehole water, potable water).

VWT standardised and scalable solutions are delivered, installed and commissioned quickly, enabling food & beverage producers to optimize their infrastructure and limit their civil engineering costs:

- Integrate one engineering into the disruptive design
- Cost effective solution
- Available everywhere in the world thanks to Veolia Water Technologies network
- ISO 9001:2015 certified in house Veolia manufacturing
- Experienced and certified staff for assembly and commissioning.
- Witnessed FAT on Veolia manufacturing sites





# Reliable running conditions


## Maintenance and service support

Supported by our local field technicians, Veolia Water Technologies provides our customers service contracts that can include :

- 1. Onsite Services:** Instrument calibration, water analysis, routine maintenance (pump seals etc ), Membrane CIP, Optimisation of performance. Corrective maintenance
- 2. Spare parts and consumables :** A complete list available by criticality level for start up, including FILO cartridge filters and VRO membranes
- 3. Hubgrade:** Hubgrade is a set of digital solutions and expertise to remotely monitor, assess and optimise the management of water, waste and energy resources. Hubgrade allows clients to access process experts remotely

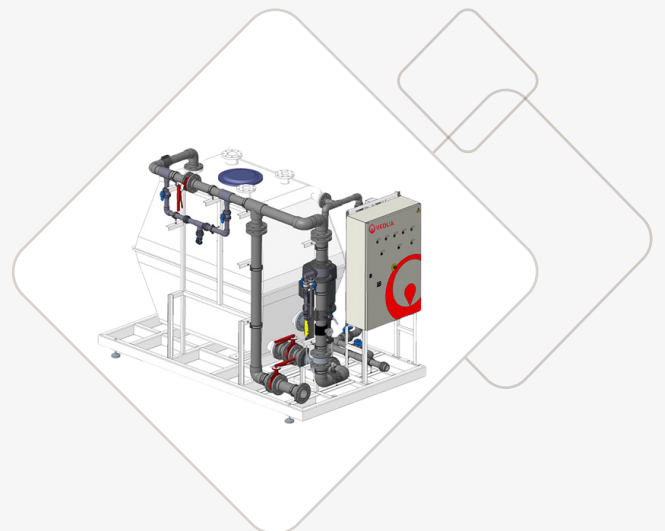


# Hubgrade

Powered by 

## NURION™ complementary products

- 1. Cleaning in Place (CIP):** VWT provides the appropriate standard CIP RO station for cleaning of fouled or scaled NURION RO membranes
- 2. HYDREX® solutions :** combine chemicals, high level on site and back office service and expertise, equipment including KPIs monitoring tools and digital solutions. Chemical dosing sets by Hydrex include: Sodium meta-Bisulphite, antiscalant, Hydrochloric Acid



# Resourcing the world

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