



# FOOD & BEVERAGE APPLICATIONS

## Product Concentration

- » Concentrate foods and beverages without heat, freezing or pressure
- » Protects and retains flavors, nutrients, and aromatics.
- » Up to 70% OPEX & energy savings over thermal processes.
- » Concentrate up to 50 Brix

## Wastewater Reuse

- » Creates high purity water for reuse
- » Higher COD, oil and grease limits than other membranes
- » >60% savings for near Zero Liquid Discharge
- » Concentrate high BOD wastes = new revenue & lower disposal costs
- » Easy to operate

## Get Started

The Porifera Solution, Step-by-Step:

# 01

### Technical and Commercial Assessment

After you provide us with an analysis of your water or wastewater composition and your treatment requirements, Porifera will develop a preliminary design and business case.

# 02

### Lab-Scale Testing

Porifera will perform preliminary testing using our lab-scale systems. We'll demonstrate our membrane's performance, establish the required draw chemistry, and refine our water quality projections and your estimated cost savings.

# 03

### On-Site Pilot Testing

Porifera will work with you to perform on-site testing at your facility with a pilot-scale system to validate the lab-scale projections.

# 04

### Commercial Deployment

Porifera will collaborate with you to design, manufacture, and install a full-scale turnkey commercial system at your site. Porifera will provide the required expertise for successful implementation of the project by your team or contractor.

## Products & Services

### Services

Application Testing  
Consulting

### Testing Equipment

Fluxometer  
Coupon tester

### Elements & Modules

PFO-20  
PFO-100  
6S, 9S

### Pilot Systems

FO systems  
FO+RO systems  
PFO-RO<sup>x</sup> systems

### Commercial Systems

Designed per customer specifications