

MEMBRANE FILTRATION SOLUTIONS FOR DAIRY APPLICATIONS

Life Solutions

DAIRY

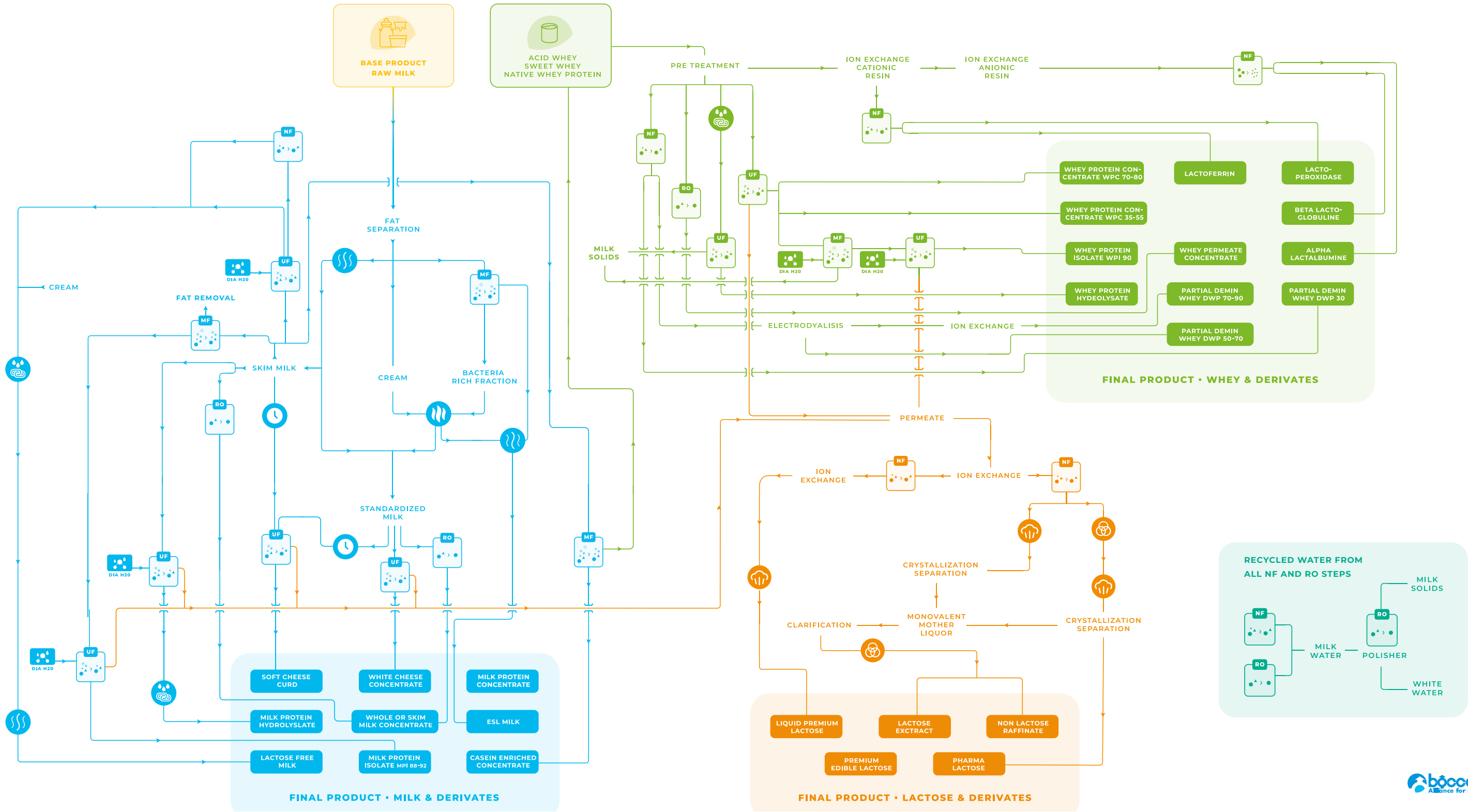
FILTRATION MAP

Membrane filtration is a technique used to purify or concentrate milk components using a semi-permeable membrane. Fractionation and concentration of valuable components allow to reduce CO2 footprint and improves productivity and efficiency of the dairy production process.

Depending on the desired end product, four membrane filtration methods are used in the dairy industry: microfiltration (MF), ultrafiltration (UF), reverse osmosis (RO), and nanofiltration (NF). Either ceramic or organic membranes are used for this process.

READ THE MAP

- Milk products
 - Whey and derivate products
 - Lactose and derivate products
- Heat treatment
 - High heat treatment
 - Microfiltration
 - Ultrafiltration
 - Nanofiltration
 - Reverse Osmosis
 - Fermentation
 - Hydrolysis
 - Chromatography
 - Evaporation



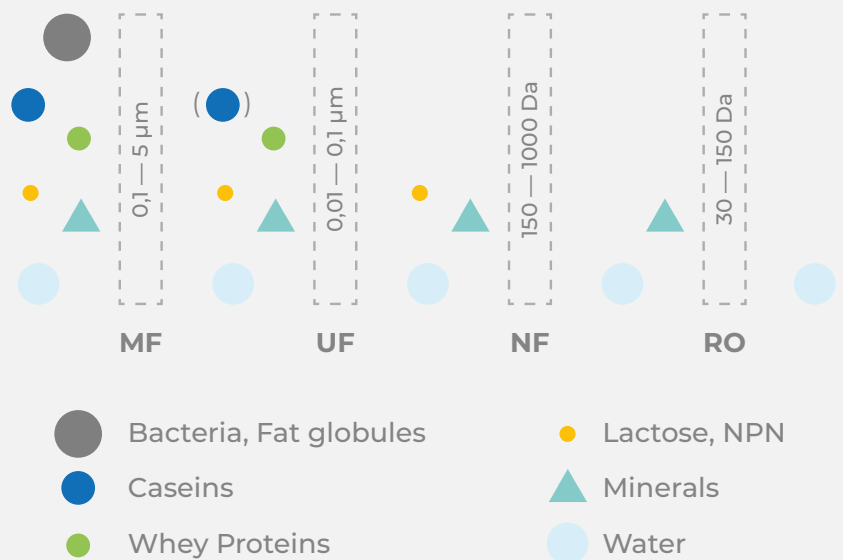
DAIRY FILTRATION SOLUTIONS



Boccard can integrate any kind of membranes: ceramic or organic membranes to purify or concentrate your product. Membranes pore sizes available will be for specific applications:

- **Microfiltration (MF) :**
from 0,1 to 5 μm to remove bacteria or casein
- **Ultrafiltration (UF) :**
from 0,5 kDa to 500 kDa to concentrate protein or to filtrate hydrolyzate
- **Nanofiltration (NF) :**
from 150 Da to 1 kDa to concentrate the product and begin demineralization
- **Reverse osmosis (RO):**
from 30 to 150 Da to concentrate your product or filtrate effluents

FROM RAW MILK TO WATER



CONTACT US

Boccard Life Solutions



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We design, manufacture, assemble and install turnkey processing solutions for our customers worldwide who transform raw materials into products for people's direct consumption.

That is why our centers of excellence (Food & Ingredients, Cosmetics & Hygiene, Pharma & Biotech and Brewery) are committed to achieving the highest levels of quality and safety in over 100 countries, while ensuring optimal productivity to serve demanding markets.

Our experts in Process Intelligence and Project Management work on a partnership basis with companies of all sizes, including major global players, to build new facilities or upgrade existing systems to meet and surpass key performance indicators: product excellence and consistency, efficient time-to-market, responsiveness and flexibility.

In everything we do, our goal is to provide you with the best process experience, now and in the future.