

IDRO



S A F E

BC

The new compact solution

for your water safety.

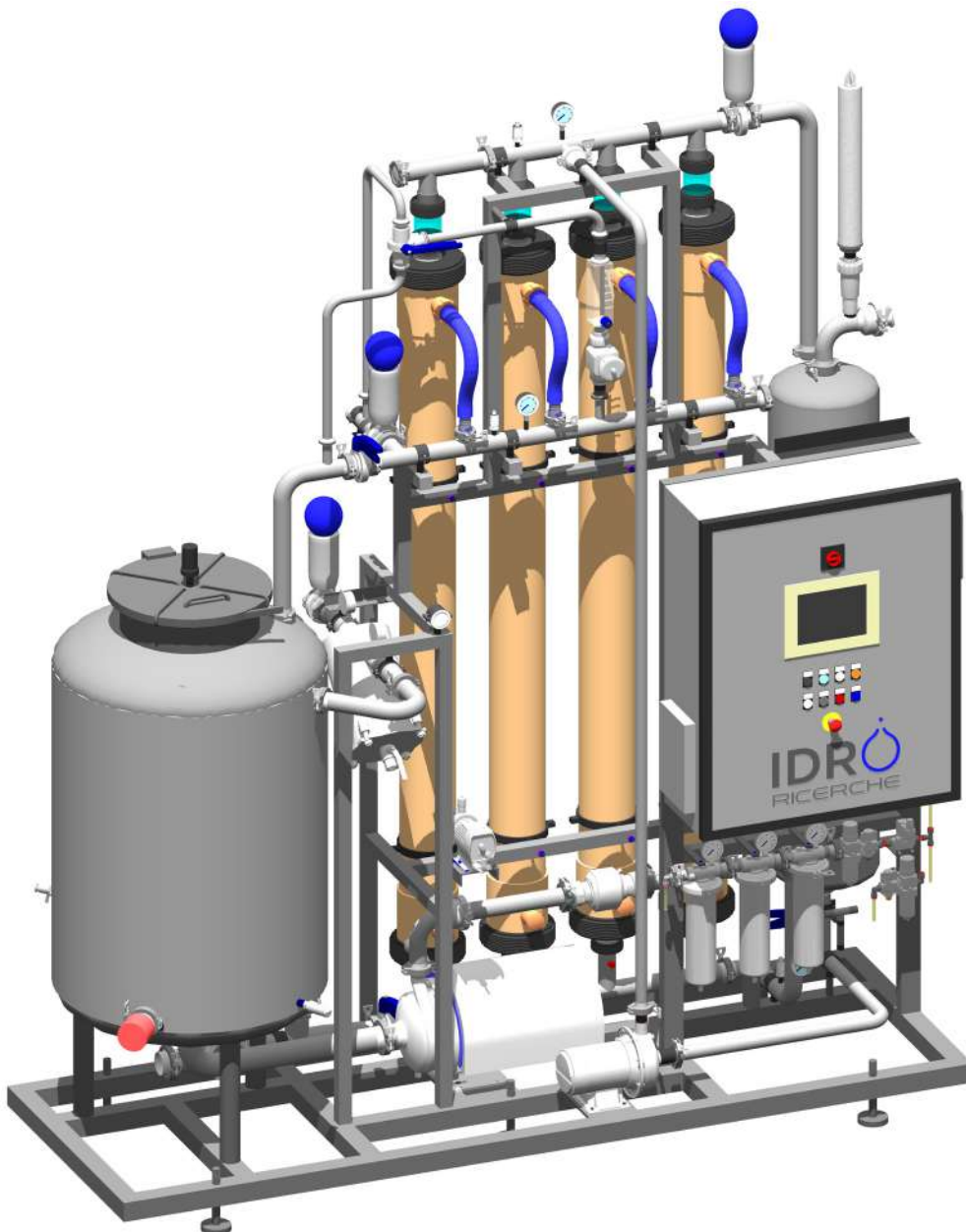
# EXPERIENCE AND INNOVATION FOR FOOD & BEVERAGE



For over 20 years Idroricerche has been aimed at enhancing the importance of water resource, a fundamental element for life, nutrition, processing in any type of production process.

Our specialization in the Food & Beverage sector drove us to research and develop technological solutions for the treatment of water and process fluids, extremely important for the final quality of final products.

It is precisely thanks to the experience gained over the years that we designed, projected and realized **Idrosafe BC**, a revolutionary automatic flushing system dedicated to water safety.





## DESCRIPTION

- Dynamic microfiltration implant
- It retains particles, microorganisms and molecules larger than 0,1  $\mu\text{m}$
- Keeping the chemical-physical characteristics of water unchanged
- Two modes of use, manually settable on the basis of the inlet water characteristics
- System assembled on skid for 1-2 or 3-4-6 membranes

## ADVANTAGES

- High efficiency, up to 98%
- Rapid pay-back
- Reduction of management costs: free of consumable filter elements
- Low energy consumption
- Total microbiological control without altering the chemical-physical characteristics of water
- Turbidity of the inlet water up to 100 NTU
- Constant quality of outlet water: the turbidity of the permeate obtained is less than 0,1 NTU
- Integrated automatic CIP
- The plant can be managed remotely
- Remote assistance is possible
- High quality and easily available components

## PRELIMINARY OPERATIONS

- Assessment of the characteristics of the water that needs treatment
- Design and sizing processing suitable for the type of production
- Main objective: to obtain the maximum efficiency of the plant based on the customer's needs

## CARATTERISTICHE

- Equipped with 1, 2, 3, 4, or 6 hollow fiber membranes, according to sizing
- Nominal flow rate obtainable between 4,5 and 27  $\text{m}^3/\text{h}$
- Implant realized in stainless steel (piping, valves, skid)
- Instrumentation for checking flow, turbidity, pressure, temperature, level, pH
- Regeneration ordinary automatic cycles: counter-washing and air-scrubbing
- Periodic semi-automatic procedures CEB and CIP for recovering the permeability of the membranes and for the sanitization of the implant

## AFTER SALE

- Implant supplied tested and ready for use
- Possibility of start up: installation and integration with the existing production
- Availability and planning of dedicated assistance formulas



Località Brucco - Frazione Abrau | 12013 Chiusa di Pesio | Cuneo - Italia  
[idroricerche.com](http://idroricerche.com) | [info@idroricerche.com](mailto:info@idroricerche.com) | +39 0171 734154