

TYPICAL SKETCHES OF WATER TREATMENT

Innovation / Expertise / Development
Design / Turnkey Project / Training
Guarantee / Technical Assistance / Service

Our system is designed for your project,
taking into consideration :

- Your raw water quality
- Your treated water quality request and targets
- The required flow rate
- The required level of quality and automatism



Typical Sketches of Water Treatment



▾ OBJECTIVES

Drinking water
Mineral water
Demineralized water
Distilled water
Water for soft drinks process
Water for dairy process
Water for juice process
Water for brewery
Ultrapure water
Water for Injection
Purified Water
Pyrogen free water
Process water

▾ MEANS

Hydro-geological survey (from water researches till pumping test)
Catchment of spring
Well equipment
Water treatment
Quality control

▾ FLOW RANGE

From 50 l/h to 500 m³/h

▾ PHYSICAL TREATMENT

Screening or micro-screening
Clarification
Sand filtration (single or multi layers)
Activated carbon filtration (single or multi layers)
Bag filtration
Cartridges filtration

▾ CHEMICAL TREATMENT

Softening
pH adjustment
Coagulation
Flocculation
Demineralization by ion exchange

▾ MEMBRANES TECHNOLOGY

Microfiltration
Ultrafiltration
Nanofiltration
Reverse osmosis
Reverse osmosis for sea water

▾ SPECIFIC ION REMOVAL

Ammonium
Arsenic
Barium
Bromates
Carbonate
Fluoride
H₂S
Iron
Manganese
Nitrates
Nitrites...

▾ STERILIZATION

Ultra violet sterilizer
Bacteriological filtration
Chlorination
Ozone sterilization
Flash Ozonation
Post Ozonation

▾ PILOTS AND LAB TESTS

All kinds of water analyses
Chemical
Bacteriological
Radioactivity
Chromatographic...

Pilot tests validating treatment feasibility before investment :

- Bromates removal
- Arsenic
- Biological treatment...