

# SPIRAL-WOUND MEMBRANE FILTRATION PILOT TESTING BENCH

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FABRICANT : H<sup>2</sup>O Innovation

MODÈLE : Econox

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## Characteristics

- Pumps with a capacity of 12 to 20 gallons per minute
- 50 gallon/minute recirculation pumps
- 7.5 horsepower (3500 rpm) pumps
- Spiral-wound membrane chamber (measuring 40 inches in length by 8 inches in diameter)
- Filtration capacity: 600 L/hr.
- 100 to 1000 L tank
- Prefilters

## Samples

- Liquids (effluents, residual liquids, fluids, waste liquids, liquids generated by chemical processes, etc.)
- Ability to treat liquids by par micro-, ultra-, nanofiltration and reverse osmosis

## Examples of applications

- Separation of the nanoparticles of dissolved salts to characterize the nanoparticle content
- Concentration of nanoparticles or other nanomaterials
- Purification of industrial effluents
- Separation, concentration and purification of molecules (organic or inorganic)

## Other pilot testing benches

- Filtration system with 2 spiral-wound membrane chambers measuring 8 inches in diameter.