# Compakblue™

## removal of suspended solids and associated pollutants by immersed disk filtration

**reuse**

**wastewater reuse in a compact treatment solution**

### performance

a quality water product that can be reused or discharged in sensitive areas

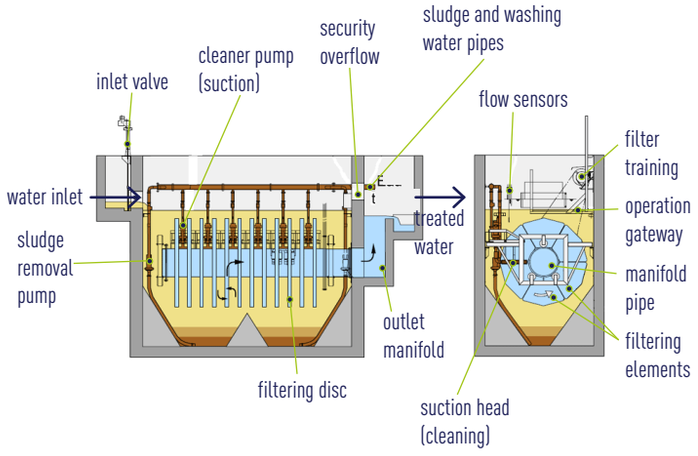
### savings

a solution that provides conservation of energy and space

## innovation

### tertiary filtration with a footprint 4 times smaller thanconventional filtration

Compakblue™ is a disk filter recommended for retaining SS in tertiary filtration of UWW, as an alternative to filtration by granular media. This product is particularly adapted to reuse or discharge into sensitive areas.




## key figure

retains SS from

**8** µm

suez

# Compakblue™ technology . . .

**An automatic wash cycle without stopping the filtration:** Compakblue™ is submerged in a tank fed by the effluent to be filtered. During the filtration cycle, water flows through the disc's cloth, which retains all suspended solids larger than 8 µm. Next the filtrate flows to the outlet channel via the disc support tube.

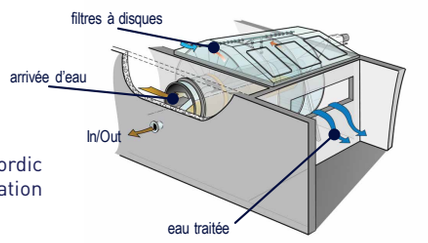
During operation of the Compakblue™ functions, and without stopping filtration, a section of the filter cloth is automatically washed at regular intervals by vacuum or by water depending on the installed version. The Compakblue™ is available in 2 versions: one µ-strainer filtration version (developed by Nordic Water) and a cloth filtration version (developed by Mecana).

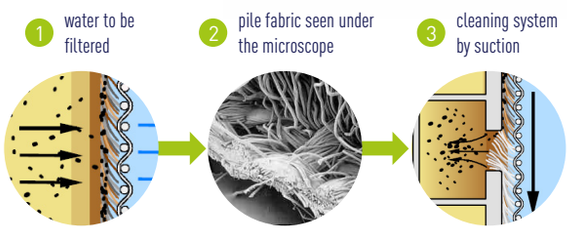
In a treatment line, Compakblue™ is used after a biological treatment and a secondary clarifier.

| treatment goal | reduction of suspended and particulate pollution | |
|---|---|---|
| output secondary clarifier | SS < 35 ppm | |
| treated water after Compakblue™ | cloth filtration version | µ-strainer filtration version |
| | < 3 mg/l TSS average (< 6 in 95%ile) | < 5 mg/l TSS average (< 10 in 95%ile) |

nordic water

The model developed by Nordic Water is a µ-strainer filtration system.




MECANA

The model developed by Mecana Umwelttechnik AG Company is a cloth filtration model and is subject of patents (EP 0958 028).

# . . . what it can do for you

## flexibility of integration

- small footprint
- entirely automated function

## proven reliability

- no risk of clogging
- good mechanical strength of the cloth
- reliability of cleaning

## security and health

- helminth eggs content < 0,1/L in accordance with the WHO (World Health Organization) recommendations

## sustainable development

- low energy consumption

# among our references

**Caleppio di Settala, Italy**
capacity: 2,000 m³/h

**Monchy-Saint-Eloi, France**
capacity: 600 m³/h

**Lagoinha, Portugal**
capacity: 700 m³/h

**le Moule, France**
capacity: 250 m³/h

P-RU-001-EN-1603

Conception & Realisation: O. Barbier (SUEZ) - Photos credits: SUEZ