

Water purification of the Brivadois reservoirs



WATER PURIFICATION

Reservoirs
Bosberty 5m³, Les Pendus 20 m³, Mazel 50m³

Water purification in rural areas (France)

The water sourced from the catchment basins of the Brivadois must be chlorinated for regulatory reasons at a rate of **0,3 ppm** even when the reservoirs only serve a few dwellings. The syndicat de gestion des eaux du Brivadois (Brivadois Water Management Syndicate) operates in **80 municipalities** in the North-West of the Haute Loire.

Article L.1321-1 of the French Public Health Code:

"Anyone offering the public water intended for human consumption [...] is responsible for ensuring that this water is safe to drink"

The operators guarantee the correct operation of the networks and the channelling of drinking water as far as the tap, ensuring continuity of service.

They must have high quality water in sufficient quantities. They must control the status of collection and the reservoirs, repair possible leaks and maintain the pumps, taps and fittings until the water reaches the consumer. Above all they must combat the presence of bacteria daily in order to adhere to the regulatory challenges.

Chlorination

QUANTITY

3 pumps for 3 reservoirs

SETTINGS

from 0,03% to 0,3%

PRESSURE

from 0,3 bars to 6 bars

OPTIONS

ACS certification
Aflas Joints



Regional Health Agencies (RHA)

are organised to ensure that water for human consumption is compliant with **regulatory** requirements.



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Founded in **1974**, DOSATRON INTERNATIONAL has been recognised in **France** for more than 45 years and has many references in terms of dosing chlorine, carbonates, sodium, aluminium sulphate or even polymers.

Les Pendus reservoirs 20 m³ D3WL3000 ACS



Mazel Reservoir 50 m³ D3WL3000 ACS



Bosberty Reservoir 5 m³ D3WL3000 ACS



Our solution

The numerous reservoirs to be controlled do not all have electricity, as electrification would be too great an expense.

Our solution makes it possible to chlorinate the water sources before storage. Therefore the essential contact time with the chlorine to achieve optimum disinfection is respected.

The DOSATRON proportional dosing pumps are installed in bypass on the pipeline and operate using gravity feed as the only energy source. The pressure and the flow activate the motor piston which in turn is connected to a dosing piston.

The disinfection additives are dosed proportionally, and continually injected with the chosen dosing water. The dose of concentrate is directly proportional to the volume of water passing through the pump, regardless of variations in the collection flow.

Chlorination, placed upstream of the reservoirs, provides effective protection against the development of bacteria, protozoa, *Escherichia coli*, *Guardia intestinalis*, *Cryptosporidium*, etc.

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The **DOSATRON** pump makes it possible to mix the exact dose of chlorine required in line with flow fluctuations. The remotest reservoirs are now compliant with RHA controls.

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Christophe Ducher
 **DOSATRON**[®]
Because life is powered by water[®]

Certified installations



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