



# Pulsazur™

powdered activated carbon contactor

○ drinking water



eliminate organic matter and micropollutants with low operating costs

○ **savings**

reduced consumption of activated carbon, reagents and energy, plus low maintenance costs

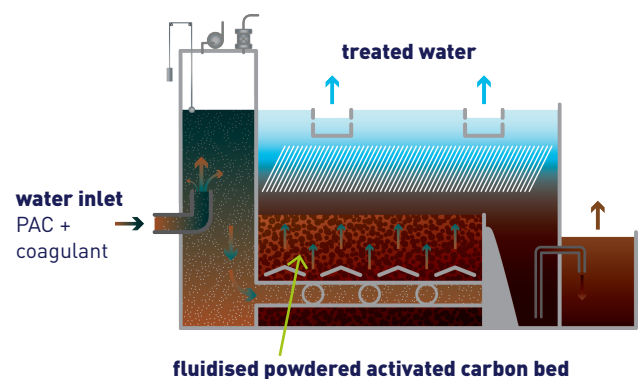
○ **environment**

functions without polymers

## innovation

a pulsation system that optimizes the contact time between activated carbon, organic matter and micropollutants: efficient and economical

Pulsazur™ uses a process of adsorption on Powdered Activated Carbon (PAC) in a pulsed sludge blanket reactor to eliminate dissolved organic matter and micropollutants.



## key figure

**8** Wh/m<sup>3</sup> of electricity consumption

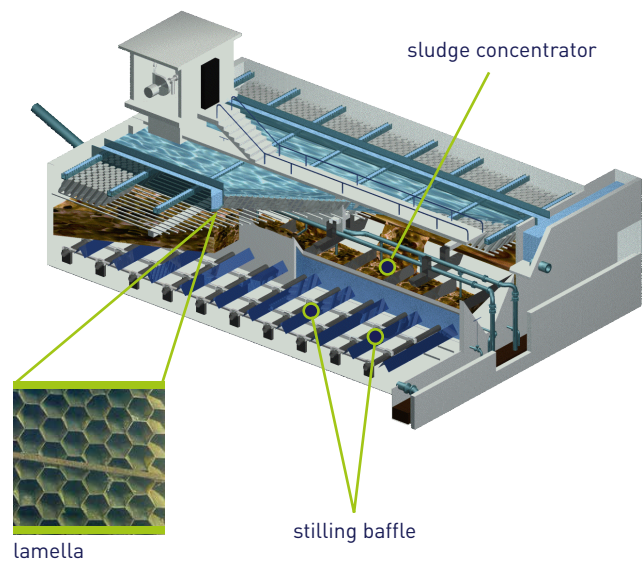


## Pulsazur™ technology . . .

Pulsazur™ can be integrated within a conventional or membrane treatment system, after settling or flotation and before sand filtration.

**Stable performance:** Pulsazur™ is a lamellar clarifier on a pulsed, powdered activated carbon (PAC) bed. Pre-conditioned water circulates through the system in a constant and uniform flow, from bottom to top, across the PAC bed. The efficiency of the process comes from the expansion followed by the settling of the PAC to maintain the homogenous expansion of the blanket. The continuous renewal of activated carbon guarantees long-lasting purification performance by suppressing any risk of saturation: the activated carbon bed, whose smoothing capacity is very important, adsorbs all the peaks of the essential of micropollutants.

Pulsazur™ guarantees a continuous perfect water quality without taste or odor, due to its action on the organoleptic compounds.



## . . . what it can do for you



### proven technology, innovative process

- dependability of hydraulics: maintains PAC bed and balances velocity within the system
- flexible function supports variations in load and quality
- optimal use of powdered activated carbon is kept homogenous by upflow pulsations

### simplicity and savings



- functions without polymers
- low energy consumption (8 Wh/m<sup>3</sup>)
- no risk of abrasion or corrosion
- economical solution using activated carbon

## among our references

**Goron, France**  
capacity: 3,000 m<sup>3</sup>/d

**Apremont, France**  
capacity: 40,000 m<sup>3</sup>/d

**Mézières-sur-Couesnon, France**  
capacity: 25,000 m<sup>3</sup>/d