

ABSTRACT**Optimized nozzle for injecting pressurized water containing a dissolved gas**

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The present invention concerns a nozzle for injecting pressurized water containing a dissolved gas, said nozzle comprising:

- a cylindrical intake chamber (20) for said water;
 - a cylindrical expansion chamber (30) comprising a part (301) communicating with said intake chamber (20) by an orifice (401) and an outlet;
 - a diffusion chamber (60) of truncated conical section communicating with the outlet of said expansion chamber (30) and widening out from said expansion chamber;
- 15 said nozzle comprising means for putting the stream of water that flows out of said expansion chamber (30) into rotation.

Fig. 5