

Who will Win the Race to the Miraculous Energy?

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Energies

Some producers of renewable energies have taken up the challenge of BILL GATES, who stated that intends to finance an energy miracle (A reactor fueled by nuclear waste that meets the US energy needs for the next 800 years). They say that this energy does not serves because their energy is already miraculous, being renewable and having halved the costs. Even SPAWHE, that is not a producer and have not funds for research, has taken up the challenge, but says that the miracle did it nature by creating the air compressible and water incompressible that put together intelligently, can produce all the energy we want in fixed and mobile version with insignificant cost compared to current energy and also to those of the future. If this, until now, has not happened was for hydropower fault with the hydraulic jump, which put off the road designers, being the hydraulic jump a particular case where overlap the static and dynamic water pressure drop that passes through the turbine. But this case is no longer reproducible, having made wide use of the existing hydraulic jumps. Continue to produce hydroelectric energy with the hydraulic jump, it becomes more and more uneconomical and wrong of the environmental point of view. But SPAWHE examined the subject, only with reasoning, and today can say with certainty that there are many ways to produce hydroelectric energy without the hydraulic jump, recycling water, even raising the water, and even taking advantage of the artificial pressure of an autoclave tank. In the new hydrology, especially when it is necessary to recover and lifting water, we can control the flow of water with stepper motors mounted on the valves and inverters that regulate with precision the speed of the pumps. When the volumes of water are small and the pressures are hig, if place side by side two tanks, one of which pressurized with compressed air and one at atmospheric pressure and realize the hydraulic scheme shown in the figure, we can limit the oscillation of the water level in both tanks in a very narrow range, always recycling the same water, through the computerized control of the valve position and the speed of the motors. The dynamic energy of the water that passes through the turbine is produced by the compressed air cushion which can not leave the space assigned in the autoclave by level regulators, and therefore exerts a constant pressure on the water entering the turbine, that the discharge in the open tank, from which it is re-inserted, without solution of continuity, in the pressurized water recycling circuit of the autoclave, entering from the second suction mouth of the pump with double power. Since does not vary the volume of water inside the autoclave tank, we must not overcome the opposition of the air cushion but only the frictional resistance of the closed circuit, which are small in size compared to the static pressure exerted by the compressed air.

This circuit if uses a compressed air pressure of 3.5 bar and a flow rate of 35 L/s, produces about 9.0 Kw consuming about 0.07 Kw/h.

With a pressure of 35 bar and a flow rate of 35 L/s would produce about 90 kW/h, consuming about 0.7 Kw/h. With a pressure of 35 bar and a flow rate of 350 L/sec, it would produce about 900 Kw/h consuming about 7.0 Kw/h. This energy consuming very little air and completely recycled water can be mounted even on sustainable means of transport of the future, saving the costs of distribution networks and railway rails. But they can also be used on other large ships and large aircraft. If today this energy, that is a hundred times cheaper than coal, it is not produced, it is only because those who have been wrong to not produce it, still have the power to pretend that it is not true. To Bill Gates, who is a very intelligent person, who has not responded to a previous open letter, Spawhe says simply that we can not venture into new nuclear adventures, even if would pay all of his own pocket, after scientists have shown that they have neglected the fundamental principles of physics and hydraulics, which could produce energy at very low cost by at least one hundred years, to chase much more expensive fossil energies that have not been able to clean and nuclear energies, also more expensive, which produced only irreparable damage (Figure 1).

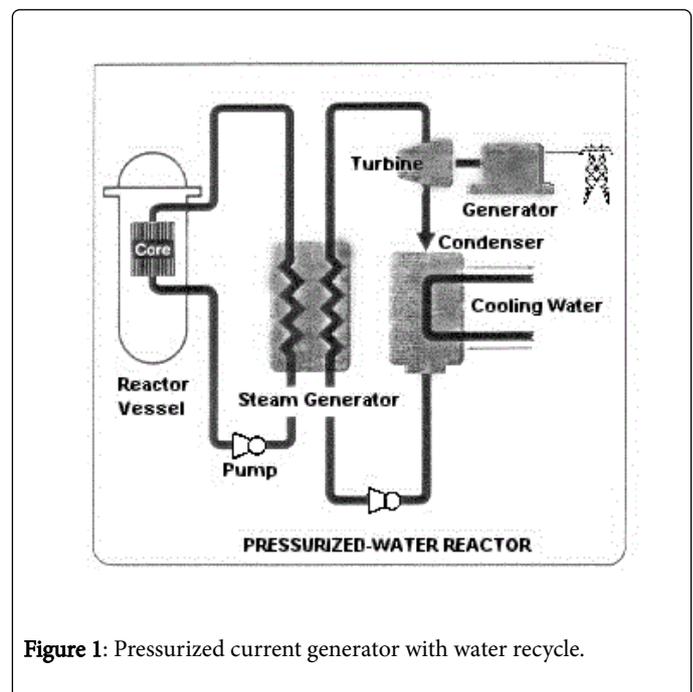


Figure 1: Pressurized current generator with water recycle.