

CANSWATER

Compact water purification equipment for scientific laboratories.

Quality distilled water is the main ingredient of all buffers, mobile phases or culture media used in the laboratory. It is also essential for drug manufacturing and other industrial and diagnostic uses. The circumstance of living in the Canary Islands and the difficulty in finding spare parts for the usual machines (Millipore®) and, above all, their extremely high price, encouraged us to develop our own machine.

After more than 30 years in different centres, I acquired enough skill to design a novel water purification machine. Our aim is to produce a versatile equipment adapted to satisfy the necessities of different professionals (dentistry, car-batteries, laboratory analysers and research laboratories).

Currently there are already several equipments in experimental operation within the ULL. In the photo we show the latest prototype of the CANSWATER 3.0. It produces **quality II water** ($> 14 \text{ M}\Omega$) We are currently equipping it with artificial intelligence algorithms for self-testing and for estimating the useful life of its components.

This development is carried out in very close collaboration between a local company Francisco Melián SLU and the ULL through the **Agustín de Betancourt** program of the Cabildo Insular de Tenerife. Being IP Yézer González Morales and Ricardo Borges.

