

Below in the following picture is the rear of those same filters and the pipes that collect the water from the first filtration.

ENTRANCE TO THE MAIN BUILDING

Despite the fact that we are really in a factory, with all that involves, we have tried to avoid that impression in the entrance. The Hall is elegant and modern, more related to a cultural building than anything else. And that, in effect, in the design and execution of the project, we have taken account in all the technical and engineering elements, the architecture, the design and the good taste have been considered in the whole process of the construction.

The colors of the walls and the garden layout integrates the building in the surroundings. In effect we have tried to minimize the ecological impact that is caused by siting an industrial building in a rural area. The images reflected in the glass that is the front of the building is like a poem.

ENTRANCE TO THE MAIN BUILDING

The abundant light that comes from outside and the intensity of the vibrations of the machines that power this engineering complex, suggested the use of special glass to minimize exterior noise and to give a feeling of peace and relaxation.

The green of the plants and the decoration has made this possible. But, in the end this would have been very little if it was not for Montgo, the old enchanting ageless town, the church of san Bartolome minimizing the errors that we could have made.

SECURITY FILTERS

The security filters of cardboard and wax are in blocks of five and collect the water for a second filtration in which are caught the remaining material from the first filtration. These filters are made of reels of hidropopilene thread with a maximum diameter of five microns. A micron is a millionth part of a metre.

In the same room, on the other side there are reservoirs of chemical reagents. The bisulphate beta is used to neutralize the chemicals injected in the previous treatment phase to avoid that oxidants reach the membranes, that due to their organic nature could be damaged.

CONTROL ROOM

Before passing to the osmosis phase, we should pause a moment in the Control room. The plant, from the collection of seawater until the remineralization of water produced through osmosis, is an intelligent machine and is therefore capable of receiving and executing orders. From the control room a sophisticated computer controls all the phases of the process, the order and the modification in accordance with the various production parameters and technical conditions. From here is supervised all the machine framework, motor valves, measuring equipment, the level of different reservoirs, pressures etc. All the technical display that guarantees the optimal operation of the plant. Below and to the right is the flow chart of all the process.