



GENERAL INFORMATION

-  MADRID (SPAIN)
-  PRESSURE DROP: 50 METERS
-  FLOW: 3,3 LITERS/SECOND
-  GENERATED POWER: 600W
-  SELF-CONSUMPTION BATTERY CHARGING TURBINE

BACKGROUND

The client to whom we have already installed one of our Microbat turbines on previous occasions contacts us since they have a pressure reducing valve and want to generate energy to power a remote management system to be able to change the pressure at the outlet of the reducer. remotely. In addition, taking advantage of the occasion, it is intended to energize the chest where the equipment is housed.

THE SOLUTION

Thanks to the installation of the turbine in parallel to the existing pressure reducing valve, it was possible to generate enough energy to feed the remote control system to be able to change the operating parameters in real time. In addition, thanks to the proposed installation scheme, the installation will work autonomously, bypassing the flow peaks through the existing reducing valve, adapting the turbine at all times to the pressure drop set in the reducing valve.