

## THE FLOCCULATION PUMP

It is very difficult to filter in the correct manner water containing such particles as colloids or very fine silt.

So as to obtain a purified water it is necessary to inject a coagulant, which we call "floc". It is an alumina sulphate based liquid which allows the fine particles over the filtering mass to cluster together, thus retaining them more easily so that they do not cross this mass nor clog it up.

It is then easier to get rid of these clustered particles when washing the filter.

A very small quantity of floc is poured into the in-coming water circuit, between the feeding pump (6) and the decanting rack (8) or directly to the filter entrance (1) as per plan **C**.

The dosing device sucks the floc from the **G** box and injects it into the in-coming water circuit.

The quantity of floc is adjusted according to how cloudy the water is (a few drops per M<sup>3</sup>)

