

APPLICATION

Automatic and manual flocculant preparation stations make up 2 to 10 g/litre solutions to avoid having more volume than can be stored.

It is often useful to redilute the preparation, which is where DILUFLOC comes in. The Dilufloc range covers a wide range of flow rates between 1 and 20 m³/h on the water system.

PRINCIPLE / BENEFITS

By using a new type of pressure reducer valve that can be fitted vertically, we have been able to «re-design» our DILUFLOC in-line dilution panels. The fitted direction of the inlet/outlet tappings at the top (product to be diluted) and bottom (water and solution) also help make the DILUFLOC panel more compact and easier to connect to the different networks.

The product that will be diluted is injected past a check valve and joins the water circuit at the inlet to the static mixer.

The preparation is then mixed by a system of Pall rings that generates turbulence in the fluid streams, which in turn creates a homogenous solution without the use of external power and with minimum load loss. The solenoid valve operates the unit remotely and makes dilution contingent on the product pump running.

DESIGN

The DILUFLOC system consists of:

- A pressure reducing valve
- A solenoid valve
- A flow control valve
- A rotameter
- A check valve
- A static mixer
- A support frame

The size of the DILUFLOC is determined by the flow rate requirements. The water line components are made of brass, with the exception of the rotameter and the check valve, which are made of PVC like the other panel components.

OPTIONS

An optional minimum flow sensor can be placed on the rotameter. The static mixer can also be fitted with a one-piece mixing unit in place of the Pall rings. We can make the DILUFLOC panels from stainless steel components or to custom specifications, on request.



TECHNICAL DATA

Type	Flow rate (L/h)	Dimensions				
		Length	Width	Ø water	Ø for dilution	Ø final
1013	100 à 1000	900	400	3/4"	1/2"	3/4"
1014	250 à 2500	900	400	3/4"	1/2"	3/4"
1023	500 à 5000	950	420	1"	1/2"	1"
1043	1000 à 10000	1100	600	1"1/2	1"	1"1/2
1053	2500 à 25000	1250	700	2"	1"	2"

> Drawing for illustration purposes

